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**FINAL POST REMOVAL ACTION RISK
EVALUATION FOR BUILDING 42, BUILDING 43,
COAL STORAGE AREA 3, AND BUILDING 77
OF THE SURPLUS OPERABLE UNIT
FOR FORT SHERIDAN, ILLINOIS**

June 14, 1999

DISTRIBUTION STATEMENT A

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**Final Post Removal Action Risk
Evaluation for Building 42, Building
43, Coal Storage Area 3, and
Building 77 of the Surplus Operable
Unit, Fort Sheridan, Illinois**

Prepared for:
U.S. Army
Fort Sheridan, Illinois

Prepared by:
QST Environmental Inc.
St. Louis, Missouri

June 14, 1999

QST Project No. 490-2087-0620

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List of Abbreviations and Acronyms

ANL	Argonne National Laboratory
B42	Building 42
BRA	Baseline Risk Assessment
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CSA	coal storage area
DER	Data Evaluation Report
DoD	Department of Defense
ESE	Environmental Science & Engineering, Inc.
HI	hazard index
IEPA	Illinois EPA
LF3&4	Landfills 3 and 4
mg/kg	milligrams per kilogram
OQAPP	Overall Quality Assurance Project Plan
OU	Operable Unit
PAH	polynuclear aromatic hydrocarbon
POL	petroleum, oils, and lubricants
PRG	Preliminary Remediation Goal
QC	quality control
RA	Risk Assessment
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SAP	sampling and analysis plan
SARA	Superfund Amendments and Reauthorization Act
SARN	Small Arms Target Range
TACO	Tiered Approach to Cleanup Objectives
TEP	Technical Evaluation Plan
95% UCL	95 percent upper confidence limit
USACE	U.S. Army Corps of Engineers
USAEC	U.S. Army Environmental Center
USEPA	U.S. Environmental Protection Agency
UTL	upper tolerance limit
VES	Vehicle and Equipment Storage Area

1.0 Introduction

In 1988, Fort Sheridan, Illinois was recommended to the Secretary of Defense for closure by the Commission on Base Realignment and Closure (BRAC). To support decisions regarding preparation of the property for release, the Department of the Army is implementing environmental studies and restoration activities (if needed) before property transfer. The U.S. Army Environmental Center (USAEC), as part of the Army staff, is assisting Fort Sheridan in this work. The scope of work, as detailed in the Overall Quality Assurance Project Plan (OQAPP) [Environmental Science & Engineering, Inc. (ESE), 1995a] and the various sampling and analysis plans (SAPs) for Fort Sheridan, includes characterizing known and potential environmental problems at numerous study areas in the Surplus Operable Unit (OU) by sampling various environmental media and analyzing the samples for the presence of constituents of interest.

As part of these environmental studies, the Building 42 (B42), B43, Coal Storage Area 3 (CSA3), and B77 study areas were investigated. The Final Sampling Results and Data Evaluation Report for Miscellaneous Surplus OU Study Areas (Miscellaneous Study Areas DER) (QST, 1997a) presented the results of the risk-based screening and risk evaluation conducted on the data obtained from the various investigative phases at B42, B43, CSA3, and B77. The results of the Miscellaneous Study Areas DER indicated that these study areas may pose an unacceptable risk to human health. A Technical Memorandum was prepared to further evaluate the constituents at those study areas that exceeded the risk-based screening criteria detailed in the Miscellaneous Study Areas DER. The Technical Memorandum (QST, 1997b) recommended that removal actions be conducted at B42, B43, CSA3, and B77 to address those constituents [polynuclear aromatic hydrocarbons (PAHs) and inorganics] posing an unacceptable risk. On the basis of this recommendation, a Non-Time-Critical Removal Action Memorandum dated March 3, 1998 was issued by Fort Sheridan.

This report presents the risk-based evaluation of constituent concentrations remaining after completion of removal actions conducted at B42, B43, CSA3, and B77. These removal activities are documented in the Draft Non-Time-Critical Removal Action Completion Report, Buildings 42, 43, and 77 and Coal Storage Area 3, Fort Sheridan Illinois (Draft Removal Action Completion Report) (IT Corporation, 1999).

1.1 Site History

The site historical information presented here is, in part, derived from reports prepared by Gross *et al.* (May 1982), Argonne National Laboratory (ANL) (October 1989), E.C. Jordan Company (July 1990), ESE (August 1987), and the U.S. Army Corps of Engineers (USACE) (March 1996).

Fort Sheridan is located approximately 25 miles north of Chicago along the western shore of Lake Michigan. The installation location is shown in Figure 1-1. Fort Sheridan, named for General Phil Sheridan, was established in 1887 in the wake of the Great Chicago fire of 1871 and at the request of Chicago city leaders following labor riots of 1886.

The Fort Sheridan area has been developed since the mid-1800's and was the site of heavy industry including logging, a lumber mill, leather tanning, brick making, and iron casting (Melichar, 1995). Land was transferred to the government for a token fee of \$10 by three members of the Commercial Club of Chicago: Adolphus Bartlett, Charles Hutchinson, and John Janes. Three ravines at Fort Sheridan are named for these individuals.

Troops trained at Fort Sheridan served in the Spanish-American War in 1898, the Mexican Intervention in 1913, and World Wars I and II. Fort Sheridan was a training center for anti-aircraft artillery units during World War II. From the 1950s until 1974, Fort Sheridan served as maintenance and supply center to NIKE air-defense missile systems for the Chicago, Gary, Detroit, Minneapolis-St. Paul, and Milwaukee air-defense network. Three NIKE missile silos were installed in the northern part of Fort Sheridan. These silos have been largely stripped of equipment and abandoned.

The installation ceased military operations as an Army Facility in May 1993. Subsequently, portions of the installation were realigned to the U.S. Navy and the U.S. Army Reserve. Approximately 100 acres are now owned by the U.S. Army Reserve and used for equipment storage and disbursement, training, and administrative functions. Approximately 200 acres are owned by the Navy and are used for family housing, administration, vehicle maintenance, communications, and training.

The area occupied by B42, B43, CSA3, and B77, though currently leased to the Cities of Highland Park and Highland, remains under Army jurisdiction. This area will be transferred to the two cities upon completion of the environmental restoration activities. This property is expected to be assigned to residential use.

1.2 Investigative History

Preliminary assessments of Fort Sheridan, conducted in 1982 and 1989, identified several areas on the installation affected by previous landfilling activities; storage and handling of petroleum, oils, and lubricants (POL), as well as other motor pool wastes; former CSAs; and storage and handling of various chemicals (Gross *et al.*, 1982; ANL, 1989). The nature and duration of these activities at Fort Sheridan justified conducting environmental studies to verify and quantify the nature and extent of associated chemical constituents in the environment, perform human health and environmental risk assessments, and evaluate remedial action alternatives leading to individual study area response actions, if necessary. These environmental studies are being conducted in accordance with the

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), the U.S. Environmental Protection Agency (USEPA) Remedial Investigation/Feasibility Study (RI/FS) Draft Guidance Manual (USEPA, 1988), and state guidelines.

A Phase I investigation was conducted at Fort Sheridan from 1990 through 1992 and the results documented in the Draft Final Remedial Investigation (RI)/Risk Assessment (RA) Report (Draft Final RI Report) (ESE, 1992). Data collected and analyzed during this initial phase of the investigation addressed B43 and CSA3, as well as other sites not included in the scope of this report. The report on the Phase I activities included recommendations for further action to additionally characterize the various study areas and support a Baseline Risk Assessment (BRA) and FS for Fort Sheridan. The recommendations included in the Draft Final RI Report, as well as data gaps identified in a subsequent review of the Draft Final RI Report and other historical information, indicated the need for additional data to be collected and analyzed in a Phase II investigation.

Fort Sheridan was divided into two principal OUs in 1995 to facilitate the implementation of subsequent environmental studies and expedite the reuse of surplus Army property under the BRAC program. The first OU, designated the Surplus OU, consists of the excess installation property planned for disposal and reuse. This area occupies the north end of Fort Sheridan and is primarily composed of the golf course and historic district. The second OU is designated the Department of Defense (DoD) OU since this area has been realigned to the U.S. Navy and U.S. Army Reserves. It includes most of the area to the south of Bartlett Ravine and the Army Reserve area in the northwest corner of Fort Sheridan. The boundaries of the two OUs are indicated in Figure 1-2. The B42, B43, CSA3, and B77 study areas are located in the Surplus OU (Figure 1-3).

The Phase II RI data collection and analysis were conducted on the Surplus OU from October 1995 through June 1996. Soil and/or groundwater sampling was conducted at the B42, B43, CSA3, and B77 study areas as part of the Phase II RI.

The Miscellaneous Study Areas DER presented the results of the risk-based screening and residual risk evaluation conducted on the data obtained from the various investigative phases at B42, B43, CSA3, and B77. The results of the Miscellaneous Study Areas DER indicated that these study areas may pose an unacceptable risk to human health. Risk-based screening of these study areas indicated that six PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene] and four inorganic constituents (arsenic, beryllium, chromium, and lead) (at B77 only) presented an unacceptable risk if left in place. The presence of the PAHs at B42, B43, and CSA3 has been attributed to open air coal storage and its historical utilization as a fuel for industrial heating purposes. The presence of the inorganic constituents at B77 is likely due to its use as a former blacksmith's shop and battery storage area.

A Technical Memorandum was prepared to further evaluate the constituents at those study areas that exceeded the risk-based screening criteria detailed in the Miscellaneous Study Areas DER in order to make a risk management decision regarding the disposition of the study areas. The Technical Memorandum recommended that removal actions be conducted at these study areas to address those constituents (PAHs and inorganics) posing an unacceptable risk. On the basis of this recommendation, a Non-Time-Critical Removal Action (Removal Action) was conducted for B42, B43, CSA3, and B77 study areas. The Removal Action was conducted between March 1998 and December 1998.

As described in the Draft Removal Action Completion Report (IT Corporation, 1999), during Removal Action activities, the excavations at each study area were divided into cells and sampled to determine whether or not Removal Action goals were achieved prior to backfilling. In this report, these sample results are evaluated to determine if removal activities reduced site risks to levels protective of human health and the environment have been conducted. This evaluation includes a risk-based screening on the sample sets from each of the study areas. The risk-based screening was conducted in accordance with the Final Revised Final Technical Evaluation Plan (TEP) (ESE, 1996).

1.3 Post Non-Time-Critical Removal Action Risk Evaluation Objectives

The objective of this report is to determine, on the basis of the risk-based screening process and determination of residual risks, whether further evaluation or action is necessary at the subject study areas to protect human health and the environment based on future residential use.

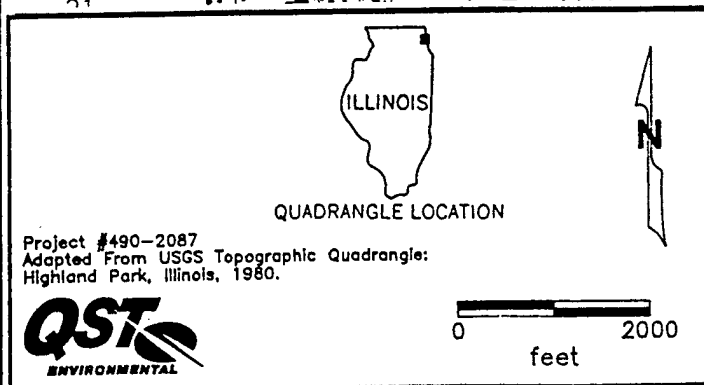
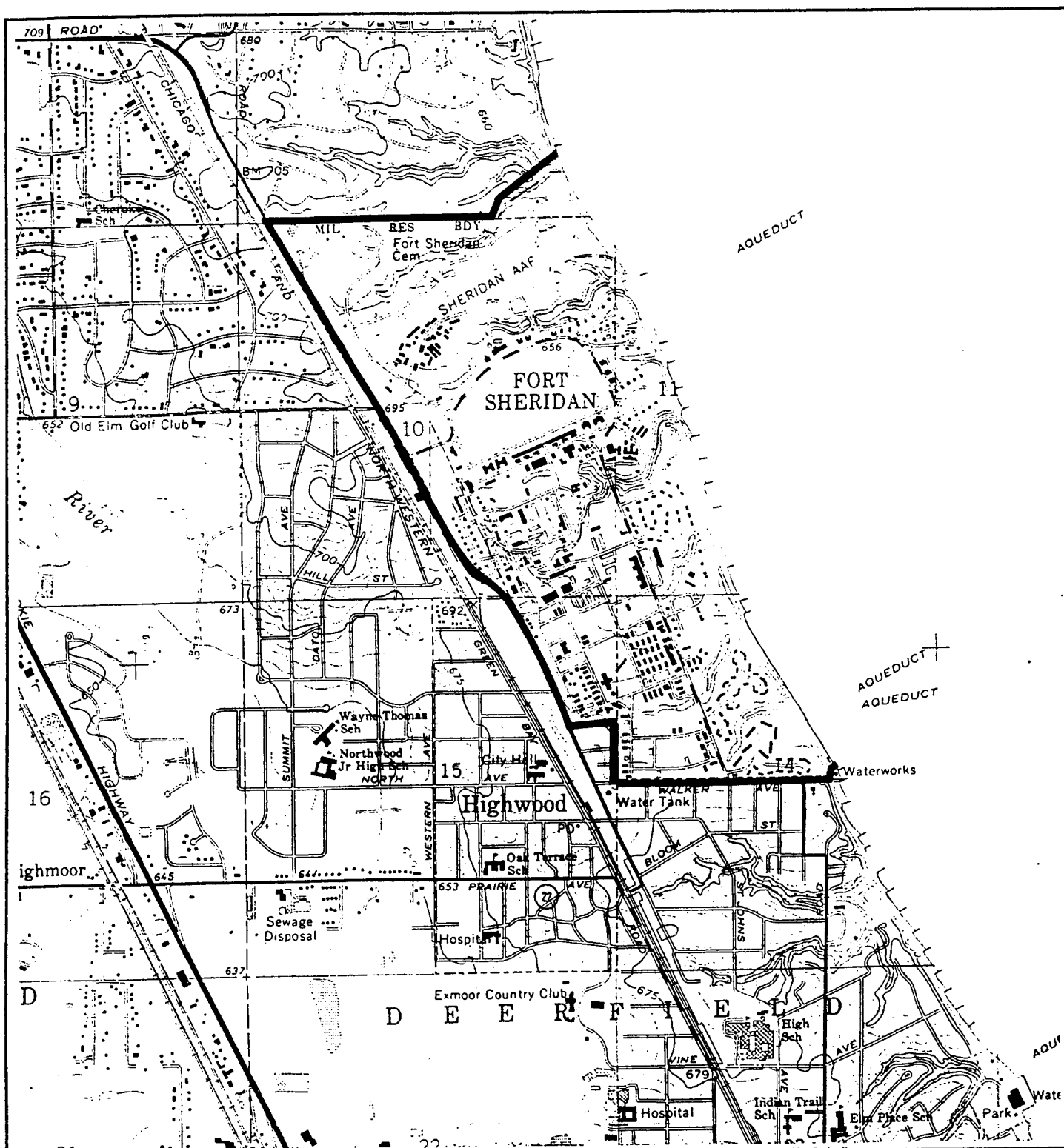
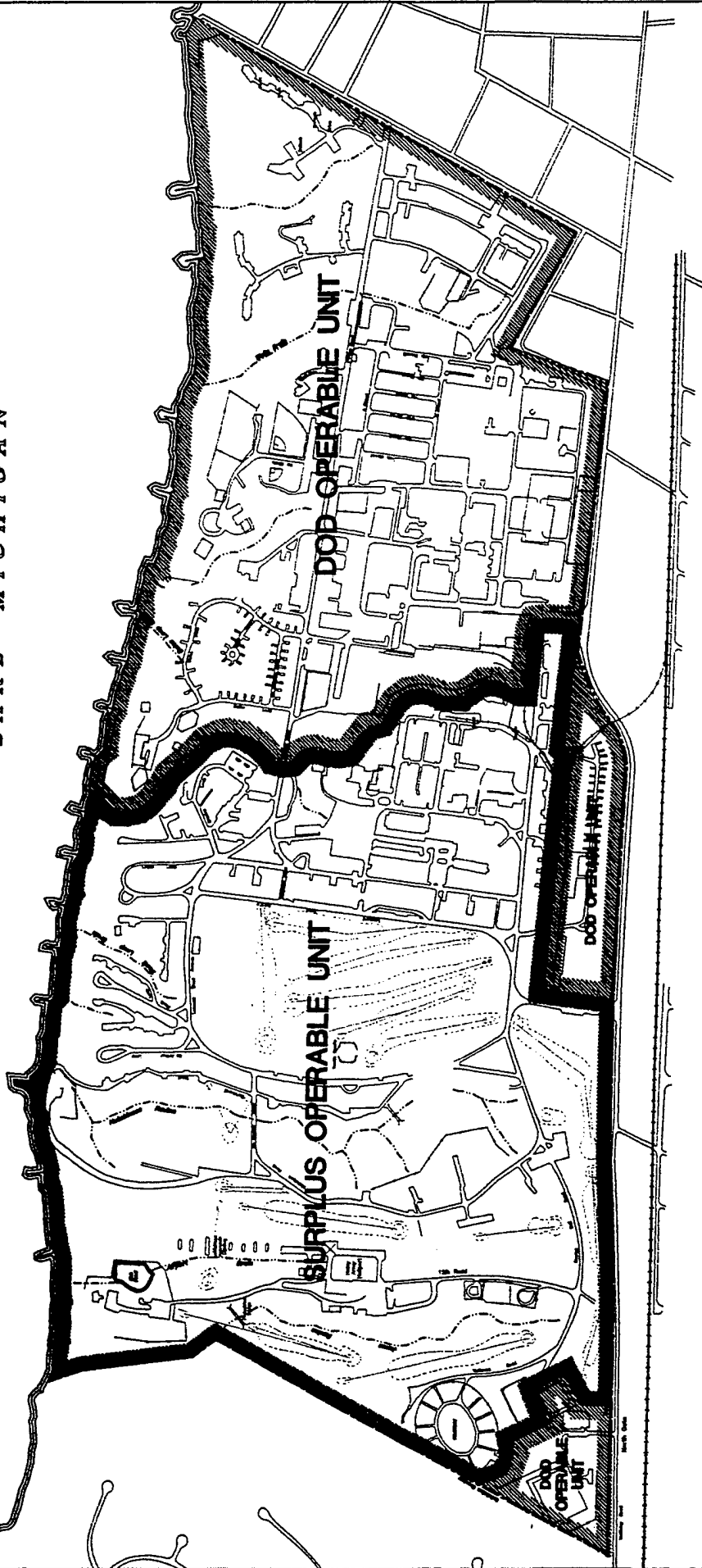


Figure 1-1 Site Location

Final Post Removal Action Risk Evaluation
Surplus Operable Unit
Fort Sheridan, Illinois

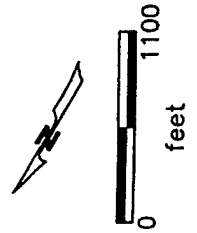
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Adapted from Official Post Map, Directorate of Engineering and Housing, Fort Sheridan, Illinois, January 6, 1989

Figure 1-2 Fort Sheridan Operable Units

Final Post Removal Action Risk Evaluation
Surplus Operable Unit
Fort Sheridan, Illinois



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2.0 Summary of Site Risks

As mentioned in Section 1.0, in order to characterize the potential current and future threats to human health and the environment posed by the constituents detected at B42, B43, CSA3, and B77 during previous site investigations, the study areas were evaluated as part of the Miscellaneous Study Areas DER and Technical Memorandum. The Miscellaneous Study Areas DER evaluated each study area to determine if constituents detected in the Phase I and Phase II soil samples were present in concentrations that represented a potential for current or future residential health risks to humans or adverse effects on the environment.

The Miscellaneous Study Areas DER employed a risk-based screening process to (1) identify those constituents that were present at concentrations exceeding residential risk-based screening levels and (2) determine the degree of potential risk posed by constituents present above the risk-based screening levels. This screening process involved multiple steps as outlined in the Final Revised Final TEP (ESE, 1996). If the cumulative risk values calculated for each study area did not exceed the established carcinogenic and non-carcinogenic risk screening levels of $1\text{E-}06$ to $1\text{E-}04$ or hazard index (HI) = 1.0, respectively, the study area was considered to require no further action. This section summarizes the results of the Miscellaneous Study Areas DER and Technical Memorandum for these areas.

2.1 B42 Study Area Risk Summary

B42 is located just north of B43 and across Chapman Road from the installation swimming pool and CSA3. B42 was a primary receiving and turn-in point for the Reserve activities at Fort Sheridan. Supplies the Reserve Unit may have used, from tires to cleaning supplies, were received at, and distributed from, this building. Excess materials were also turned in here for return to their point of origin. The building has a truck loading dock on the south side and various doors on the other sides. No documentary or anecdotal evidence is available indicating that a spill may have occurred at B42. Due to its proximity to CSA3 and its historical open air storage of coal for industrial heating fuel, coal fragments have migrated into the B42 study area soils.

2.1.1 B42 Study Area Human Health Risk Summary

The results of the risk-based screening for the B42 study area were a cumulative carcinogenic risk value (RS_c) of $5\text{E-}04$ and a cumulative non-carcinogenic risk value (RS_n) of 1. The principle components of the RS_c were benzo(a)pyrene with an RS_c of $3\text{E-}04$ (70 percent of the RS_c) and benzo(a)anthracene with an individual carcinogenic risk (RS_c) of $5\text{E-}05$ (12 percent of the RS_c). The RS_n value of 1.0 indicated that no potential unacceptable noncarcinogenic risks would be posed to human health under a residential scenario at B42.

The RS_{α} for B42 was based on residential risk-based screening values, which, in accordance with the approved Fort Sheridan Concept Plan (Concept Plan) [Johnson, Johnson and Roy, Inc. (JJR), 1994], are appropriate for the future use of this study area. Because the RS_{α} was 5 times the upper end of USEPA's target risk range ($1E-04$) and because these constituents were present as a result of mission-related activities related to industrial use coal storage, a removal action was recommended for this study area.

2.1.2 B42 Study Area Ecological Risk Summary

B42 is located within a developed area. Areas around the building consist of cultivated lawn, streets, parking, and other buildings. This area provides no food or cover to attract wildlife, and was not considered to represent any significant potential for pathways to ecological receptors. Intended future land use is as residential development. Although biological receptors may pass through now and in the future, any habitat provided at the study area would be marginal and significant exposure is not anticipated. Therefore, from an ecological standpoint, it was determined that B42 would pose no significant risks to ecological receptors.

2.2 B43 Study Area Risk Summary

B43 contained the General Support Shop, which included furniture cleaning and stripping activities and is located north of B40, south of B42, and west of CSA3. Due to its proximity to CSA3 and its historical open air storage of coal for industrial heating fuel, coal fragments have migrated into the B43 study area soils. The shop used a commercial water-soluble stripper typically containing methylene chloride and methanol to remove old finish from furniture. The bulk of the stripper was removed from the furniture with steel wool and scrapers, and disposed offsite. However, some of the stripper was washed off the furniture with water. The wash water was collected in a floor drain network and passed into the storm sewer system outside the building. The discussion in this report addresses only those potential risks associated with the soils at B43. The effects of activities at B43 on other environmental media have previously been addressed in the Miscellaneous Study Areas DER and the On-Scene Coordinator Report, Time Critical Removal Action at Buildings 43 and 368 [Diversified Technologies Corporation (DTC), 1996].

2.2.1 B43 Study Area Human Health Risk Summary

The results of the risk-based screening for the B43 study area were an RS_{α} of $2E-04$ and an RS_{Σ} of 1. The principle components of the RS_{α} were benzo(a)pyrene with an RS_c of $1E-04$ (53 percent of the RS_{α}) and dibenzo(a,h)anthracene with an RS_c of $3E-05$ (16 percent of the RS_{α}). The resulting RS_{Σ} value of 1.0 indicated that no potential unacceptable noncarcinogenic risks would be posed to human health under a residential scenario at B43.

The RS_{α} for B43 was based on residential risk-based screening values, which are appropriate for the future use of this study area. Because the RS_{α} was 2 times the upper end of USEPA's target risk range ($1E-04$), and because these constituents were present as a result of mission-related activities related to industrial use coal storage, a removal action was recommended for this study area.

2.2.2 B43 Study Area Ecological Risk Summary

B43 is located within a developed area of Fort Sheridan. Areas around the building are similar to B42 and consist of cultivated lawn, streets, parking, and other buildings. This area provides no food or cover to attract wildlife. Although B43 is upgradient of Bartlett Ravine, there is little slope to this sensitive habitat. Intended future land use is as residential development. Although biological receptors may pass through now and in the future, any habitat provided at the study area would be marginal and significant exposure is not anticipated. Therefore, B43 was not determined to represent any significant risks to ecological receptors.

2.3 CSA3 Study Area Risk Summary

CSA3 was used for the open air stockpiling of coal and is located parallel to, and extends the length of, Chapman Road. This coal was used to supply fuel for industrial heating purposes at Fort Sheridan. The northern portion of this study area is partially covered by the swimming pool complex. The remainder of the study area is grass covered and slopes slightly toward Bartlett Ravine to the southeast.

2.3.1 CSA3 Study Area Human Health Risk Summary

The results of the risk-based screening for the CSA3 study area were an RS_{α} of $2E-04$ and an RS_{μ} of 1. The principle components of the RS_{α} were benzo(a)pyrene with an RS_c of $1E-04$ (53 percent of the RS_{α}), dibenzo(a,h)anthracene with an RS_c of $3E-05$ (16 percent of the RS_{α}), and arsenic with an RS_c of $2E-05$ (10 percent of the RS_{α}). The principle components of the RS_{μ} were arsenic with an RS_n of 0.5 (50 percent of the RS_{μ}) and manganese with an RS_n of 0.5 (50 percent of the RS_{μ}). The resulting RS_{μ} value of 1.0 indicated that no potential unacceptable noncarcinogenic risks would be posed to human health under a residential scenario at CSA3.

The RS_{α} for CSA3 was at 2 times the upper end of USEPA's target carcinogenic risk range ($1E-04$). Because this study area is slated for future residential use in accordance with the approved Concept Plan, a removal action was recommended for the CSA3 study area.

2.3.2 CSA3 Study Area Ecological Risk Summary

Natural resources at CSA3 are significantly influenced by human activity (i.e., swimming pool complex and periodic mowing). Much of the surface is covered by impervious materials that do not provide food or cover resources and are not attractive to wildlife. The periodic mowing also reduces the availability of food and cover resources of the grassed area. Intended future land use is as residential development. Although biological receptors may pass through now and in the future, any habitat provided at the study area would be marginal and significant exposure is not anticipated. For these reasons, CSA3 was not considered to represent a significant resource for potential ecological receptors and significant exposure was not anticipated.

2.4 B77 Study Area Risk Summary

B77 is located on the south side of Vehicle and Equipment Storage Area 1 (VES1) between B55 and B112. B77 was originally built as a Blacksmith Shop with five chimneys for five separate work areas. The building was equipped with a furnace which no longer exists. A solitary chimney remains located west of B77 and southwest of B55, and may have been related to the previous activities at B77. No evidence is available documenting the type of activities related to this chimney. Below the chimney ash door there was soil discoloration and stressed vegetation. In the recent past, B77 was used to store used batteries and tires from the motor pool until that function was transferred to B51. B77 was also used to retrofit batteries and contained an acid booth where the sulfuric acid was handled. No documentary or anecdotal evidence is available indicating that a spill may have occurred from B77. However, it is possible that periodic small leaks may have occurred during the warehousing operation.

2.4.1 B77 Study Area Human Health Risk Summary

Results of the risk-based screening for the B77 study area were an RS_{α} of $4E-04$ and an RS_{μ} of 8. The principle components of the RS_{α} were arsenic with an RS_c of $2E-04$ (50 percent of the RS_{α}) and benzo(a)pyrene with an RS_c of $1E-04$ (25 percent of the RS_{α}). The principle components of the RS_{μ} were arsenic with an individual non-carcinogenic risk (RS_n) of 3 (38 percent of the RS_{μ}), selenium with an RS_n of 3 (38 percent of the RS_{μ}), and lead with an RS_n of 2 (25 percent of the RS_{μ}). The one arsenic, one selenium, and two lead concentrations that exceeded the screening were significantly above (i.e., at least one order of magnitude greater than) their corresponding site-specific background values.

Because the RS_{α} and RS_{μ} were 4 and 8 times the target carcinogenic and noncarcinogenic risk values, respectively, and because mission activities (incineration, battery storage and retrofitting) were likely the source of these constituents, the inorganic and organic constituents identified above were considered to pose a potential concern at this study area. Therefore, a removal action was recommended to address these constituent concentrations.

2.4.2 B77 Study Area Ecological Risk Summary

B77 is surrounded by asphalt pavement. This study area contains no significant ecological habitat. Intended future land use is as residential development. Although biological receptors may pass through now and in the future, any habitat provided at the study area would be marginal and significant exposure is not anticipated. Therefore, from an ecological standpoint, B77 was determined to pose no significant risks to ecological receptors.

3.0 Risk-Based Screening Evaluation

A Removal Action was initiated at B42, B43, CSA3, and B77 as a result of the recommendations in the Technical Memorandum. During Removal Action activities, soil sampling was conducted at each study area to confirm achievement of Removal Action goals prior to backfilling the excavations. Soil sampling was also conducted in Chapman Road (located in between CSA3 and B42/B43) to determine whether or not the area under the road was negatively affected by the CSA3 coal storage activities. The analytical data obtained from these soil samples are presented in the Draft Removal Action Completion Report (IT Corporation, 1999). The Removal Action activities and analytical data are used in this report to determine the post-removal action in-place risk associated with the study areas, including Chapman Road, to be surplused. Because Chapman Road is expected to remain a road, it was evaluated separately from the adjacent B42, B43, and CSA3 study areas. To achieve the determination of post-removal action in-place risk, each datum was evaluated using the risk-based screening process outlined in the Final Revised Final TEP. It should be noted that constituents can exceed the risk-based screening levels, but still be present at levels protective of human health and the environment. This section presents the results of the risk-based screening process.

3.1 Data Evaluation Baseline

Information regarding the quality of the data used in the risk-based screening evaluation is presented in the Draft Removal Action Completion Report (IT Corporation, 1999). The results of the data validation procedures performed on the data are also presented in the Draft Removal Action Completion Report.

A number of closure samples initially collected as part of the Removal Action were subsequently removed by secondary or tertiary excavations, as discussed in Section 2.2.3 of the Draft Removal Action Completion Report. The analytical data from these initial samples are not included in this risk evaluation report as these sample locations are no longer present at the study areas. In addition, some Phase II RI sampling locations were not removed as part of the Removal Action. These Phase II RI data are also included in this risk evaluation report. Phase II RI data are included for B43, CSA3, and B77. All Phase II RI sampling locations at B42 were excavated as part of the Removal Action.

Consistent with the risk-based screening process presented in the Miscellaneous Study Areas DER, the risk-based screening conducted in this report is performed on each PAH constituent detected, not just those PAH constituents for which removal action goals were determined. This was done in order to provide a more complete evaluation of the potential post removal action risks present at these study areas as they will be part of future residential areas. In addition to PAHs, Phase II RI samples were analyzed for inorganics. Because the concentrations of these inorganics at B43 were determined in the

Technical Memorandum to be at background levels, these Phase II RI inorganic concentrations are not included in the risk-based screening process.

Prior to actually performing the screening, the issue of duplicate samples was addressed. Duplicate samples were collected for quality control (QC) purposes. In those instances where a constituent was detected in both the primary and the duplicate samples, the concentrations were averaged. The average concentration was then carried through the risk-based screening. In those instances where a constituent was detected in one sample but not the other, the value represented by the detected concentration was used. This concentration was then carried through the risk-based screening. Samples that exceeded the risk-based screening values were incorporated into a risk analysis identical to that used in the Miscellaneous Study Areas DER and Technical Memorandum.

The value used to calculate the individual risk for each constituent in the risk analysis is the maximum concentration detected or the 95 percent upper confidence limit of the mean concentration (95% UCL), whichever value is lower. The maximum concentration and 95% UCL value are determined for each study area using the study area confirmatory data from both composite scrape samples of the excavation walls and grab samples from the excavation floors.

3.2 B42 Study Area Risk Screening

A total of 75 soil samples from the Removal Action activities were utilized in the risk-based screening process. Duplicate samples were collected from 10 of the 75 samples. The results of the risk-based screening process for B42 are presented in Table 3-1. In this and similar tables for each study area, the terms "fail" and "pass" are used to describe the results of the screening. The term "fail" indicates that the constituent concentration is above or exceeds the background or risk-based screening value. The term "pass" indicates that the constituent concentration is lower than or falls below the background or risk-based screening value.

3.2.1 Risk-Based Screening Results

PAH constituents exceed the risk-based screening values in 32 of the 75 samples. Analytical results indicate that 5 of the 6 PAHs detected exceed the risk-based screening values. Benzo(a)pyrene is the most common PAH exceeding the risk-based screening values with 32 exceedences. Dibenzo(a,h)anthracene is the second most common PAH exceeding the risk-based screening values with 23 exceedences followed by 16 indeno(1,2,3-cd)pyrene exceedences, 14 benzo(a)anthracene exceedences, and 13 benzo(b)fluoranthene exceedences. Benzo(k)fluoranthene does not exceed the risk-based screening value in any sample. The highest individual PAH concentration detected is indeno(1,2,3-cd)pyrene in Sample B422ASO003(0-4.4') at 4.8 milligrams per kilogram (mg/kg). This

concentration is the average of Sample B422ASO003 and its duplicate. The screening criteria used are USEPA Region IX Preliminary Remediation Goals (PRGs).

Inorganic constituents were not analyzed for at B42 during Removal Action activities because only PAH constituents were identified in the Technical Memorandum as posing an unacceptable risk. Therefore, no risk-based screening was performed on inorganic constituents.

3.2.2 Risk Evaluation

Results of the B42 risk calculations are presented in Table 3-2. These results indicate that the RS_{α} associated with the B42 study area samples is $1E-04$. The principle components of the RS_{α} are benzo(a)pyrene with an RS_c of $6E-05$ (67 percent of the RS_{α}) and dibenzo(a,h)anthracene with an RS_c of $1E-05$ (11 percent of the RS_{α}).

The RS_{α} of $9E-05$ for B42 is based on residential risk-based screening values, which, in accordance with the approved Concept Plan, are appropriate for the future use of this study area. However, the RS_{α} is within a range generally considered acceptable by USEPA (i.e., $1E-06$ to $1E-04$). In addition, it is important to recognize the conservative nature of this screening process. These risk-based screening values are generic and conservative. As such, the use of these values to calculate risks likely results in an overestimation of the potential risks at the study area. It should also be noted that PAHs are ubiquitous in an urban environment such as Fort Sheridan. PAHs are present at Fort Sheridan, in part as the result of combustion or deposition from airborne emissions unrelated to mission activities. Risk assessments performed for various study areas at Fort Sheridan [Beach Area and ravines, Landfills 3 and 4 (LF3&4), and LF2/Small Arms Range North (SARN)/38-Acre Parcel Fill Area] indicate that up to 10 percent of the potential carcinogenic risks are due to background concentrations. Therefore, up to 10 percent of the RS_{α} of $9E-05$ may be associated with background conditions.

Also contributing to the overestimation of potential risks is the fact that data used in the risk evaluation were obtained from composite scraping samples of the excavation walls. Therefore, it is not known how the residual constituent concentrations at the edge of the excavations are distributed between surface and subsurface depths. In addition, as part of the removal action, PAH-affected soils were removed from the study areas and the excavated areas backfilled with clean soils. The analytical results for samples collected from the clean backfill were not included in the risk-based screening process. Therefore, use of the data from the composite scraping samples, as well as the exclusion of the data obtained from the clean fill material placed in the excavations, is likely to lead to a significantly conservative estimate of the risks at B42. Given the fact that the RS_{α} of $9E-05$ is within USEPA's target risk range of $1E-06$ to $1E-04$, given the conservative nature of the screening process,

and given the ubiquitous nature of PAHs in the Chicago metropolitan area, the post-removal presence of PAHs at the B42 study area do not pose an unacceptable risk to human health.

From an ecological standpoint, B42 was determined in the Miscellaneous Study Areas DER to pose no significant risks to ecological receptors because the study area provides marginal habitat to attract or maintain wildlife, and is not considered to represent any significant potential for pathways to ecological receptors. Areas around B42 consist of cultivated lawn, streets, parking, and other buildings. Because the marginal importance of the habitat has not been improved by the Removal Action, the determination of no adverse ecological effects in the Miscellaneous Study Areas DER remains unchanged.

3.3 B43 Study Area Risk Screening

A total of 92 soil samples from the Phase II RI And Removal Action activities were utilized in the risk-based screening process. Duplicate samples were collected from 10 of the 92 samples. The results of the risk-based screening process are presented in Table 3-3.

3.3.1 Risk-Based Screening Results

PAH constituents exceed the risk-based screening values in 36 of the 92 samples utilized in the risk-based screening process. Analytical results indicate that 5 of the 6 PAHs detected exceed the risk-based screening values. Benzo(a)pyrene is the most common PAH exceeding its risk-based screening values with 36 exceedences. Dibenzo(a,h)anthracene is the second most common PAH exceeding the risk-based screening values with 23 exceedences followed by 16 indeno(1,2,3-cd)pyrene exceedences, and 15 benzo(a)anthracene and benzo(b)fluoranthene exceedences. Benzo(k)fluoranthene does not exceed its risk-based screening value in any sample. The highest individual PAH concentration detected was indeno(1,2,3-cd)pyrene detected in Sample B435BSO003(0-5.3') at 3.61 mg/kg. The screening criteria used are USEPA PRGs.

3.3.2 Risk Evaluation

Results of the B43 risk calculations are presented in Table 3-4. These results indicate that the RS_{α} associated with the B43 study area samples is 6E-05. The principle component of the RS_{α} is benzo(a)pyrene with an RS_c of 5E-05 (83 percent of the RS_{α}).

The RS_{α} for B43 is based on residential risk-based screening values, which, in accordance with the approved Concept Plan, are appropriate for the future use of this study area. The RS_{α} is within USEPA's target risk range. Additionally, the use of generic, conservative risk-based screening values to calculate the relative risk likely results in an overestimation of the potential risks. As with B42, the anthropogenic levels of PAHs likely contribute to the PAHs remaining at B43. Also contributing to

the overestimation of potential risks is the fact that analytical data from the clean backfill placed in the Removal Action excavations were not used in the relative risk evaluation. Therefore, given the fact that the RS_{α} of $6E-05$ is within USEPA's target risk range of $1E-06$ to $1E-04$, given the conservative nature of the screening process, and given the ubiquitous nature of PAHs at Fort Sheridan, the post-removal presence of PAHs at the B42 study area do not pose an unacceptable risk to human health.

From an ecological standpoint, B43 was determined in the Miscellaneous Study Areas DER to pose no significant risks to ecological receptors because the study area provides marginal habitat to attract or maintain wildlife, and is not considered to represent any significant potential for pathways to ecological receptors. Areas around B43 consist of cultivated lawn, streets, parking, and other buildings. Because the marginal importance of the habitat has not been improved by the Removal Action, the determination of no adverse ecological effects in the Miscellaneous Study Areas DER remains unchanged.

3.4 CSA3 Study Area Risk Screening

A total of 91 soil samples from the Phase II RI and Removal Action activities were utilized for the risk-based screening process. Duplicate samples were collected from 6 of the 91 samples. The results of the inorganic and risk-based screening process are presented in Tables 3-5 and 3-6, respectively.

3.4.1 Background Screening Results

Inorganics exceed the background screening values in 18 of the 23 inorganic samples utilized in the background screening. The background screening values used are the constituent's upper tolerance limit (UTL) (ESE, 1997). Lead exceeds the background screening in 7 of the 23 samples. Arsenic exceeded its background screening value in 4 of the 23 samples. Copper and vanadium both exceed their background screening values in 3 samples. Aluminum, barium, and nickel exceed their background screening values in 2 samples. Antimony, chromium, selenium, and silver exceed their background screening values in one sample. These constituents were carried forward to the risk-based screening process.

3.4.2 Risk-Based Screening Results

PAH constituents exceed the risk-based screening values in 37 of 91 samples utilized in the risk-based screening. Analytical results indicate that five of the six PAHs detected exceed the risk-based screening values. Benzo(a)pyrene is the most common PAH exceeding the risk-based screening values with 34 exceedences. Dibenzo(a,h)anthracene is the second most common PAH exceeding the risk-based screening values with 24 exceedences followed by 19 benzo(a)anthracene exceedences, and 17 indeno(1,2,3-cd)pyrene and benzo(b)fluoranthene exceedences. Benzo(k)fluoranthene does not exceed its risk-based screening values in any sample. The highest individual PAH concentration detected was

benzo(a)pyrene in Sample CSA6QSO0C(0-10.5') at 3.13 mg/kg. The screening criteria used are USEPA PRGs.

Inorganic constituents exceed the risk-based screening values in 5 of the 9 samples carried through the risk-based screening process. These constituents are arsenic and chromium. Arsenic exceeded its risk-based screening value in 4 samples and chromium in 1 sample. Arsenic concentrations exceeding the risk-based screening value range from 8.1 mg/kg in Sample CSA3TP2(7.0') to 9.63 mg/kg in Sample CHRDSB18(3.0'). Chromium exceeds the risk-based screening in Sample CSA3SB06(1.5') at a concentration of 30.5 mg/kg. Arsenic was screened using a USEPA PRG criterion and chromium was screened using a Tiered Approach to Cleanup Objectives (TACO) criterion.

3.4.3 Risk Evaluation

Results of the CSA3 risk calculations are presented in Table 3-7. These results indicate that the RS_{α} associated with the CSA3 study area samples is $8E-05$ and the RS_{α} is $3E-01$. The principle components of the RS_{α} are benzo(a)pyrene with an RS_c of $5E-05$ (63 percent of the RS_{α}) and arsenic with an RS_c of $2E-05$ (25 percent of the RS_{α}). The RS_{α} is less than the HI of 1.

The RS_{α} of $8E-05$ for CSA3 is based on residential risk-based screening values, which, in accordance with the approved Concept Plan, are appropriate for the future use of this study area. The RS_{α} is within USEPA's target risk range. Additionally, the use of generic, conservative risk-based screening values to calculate the relative risk likely results in an overestimation of the potential risks. PAHs are ubiquitous in urban environments and, therefore, likely remain onsite due to both mission-related coal storage as well as anthropogenic sources.

Although arsenic makes up 22 percent of the RS_{α} , the 95% UCL of 5.85 mg/kg is less than the surface and subsurface UTLs of 8.96 mg/kg and 7.85 mg/kg, respectively. The actual arsenic concentrations (8.1 mg/kg, 9.2 mg/kg, and 9.63 mg/kg) are similar to the UTLs. Therefore, it is likely that the arsenic levels detected are not the result of mission-related activities, but are due to naturally occurring or anthropogenic background. If arsenic is factored out of the RS_{α} , the resulting value is $6E-05$.

Also contributing to the overestimation of potential risks is the fact that analytical data from the clean backfill placed in the Removal Action excavations were not used in the relative risk evaluation. Therefore, given the fact the adjusted RS_{α} of $6E-05$ is within USEPA's target risk range of $1E-06$ to $1E-04$, given the conservative nature of the screening process, given the ubiquitous nature of PAHs, and given the presence of arsenic at background levels, the post-removal presence of PAHs and arsenic at the CSA3 study area do not pose an unacceptable risk to human health.

From an ecological standpoint, CSA3 was determined in the Miscellaneous Study Areas DER to pose no significant risks to ecological receptors because the study area provides marginal habitat to attract or maintain wildlife, and is not considered to represent any significant potential for pathways to ecological receptors. Areas around CSA3 consist of cultivated lawn, streets, parking, and other buildings. Because the marginal importance of the habitat has not been improved by the Removal Action, the determination of no adverse ecological effects in the Miscellaneous Study Areas DER remains unchanged.

3.5 B77 Study Area Risk Screening

A total of 18 Phase II RI and Removal Action soil samples were used in the risk-based screening for B77 activities. Duplicate samples were collected from 3 of the 18 samples with 2 of the 3 duplicates being analyzed for inorganics. The results of the background screening process are presented in Table 3-8. The results of the risk-based screening process are presented in Table 3-9.

3.5.1 Background Screening Results

Inorganics exceed the background screening values in 12 of the 18 samples utilized in the background screening process. Eleven and 8 of the 12 exceedences are due to lead and arsenic, respectively. Chromium exceeds the background screening value in 3 samples. Barium exceeded the background screening value in 2 samples. Aluminum, copper, and vanadium each exceed the background screening values in only 1 sample. These constituents were carried forward to the risk-based screening process.

3.5.2 Risk-Based Screening Results

Analytical results indicate that 5 of the 6 PAHs detected exceed the risk-based screening values. PAH constituents exceed the risk-based screening values in 11 of the 18 samples. Benzo(a)pyrene was the most common PAH exceeding the risk-based screening values with 8 exceedences. Dibenzo(a,h)anthracene was the second most common PAH exceeding the risk-based screening values with 4 exceedences. Benzo(a)anthracene and indeno(1,2,3-cd)pyrene each have 3 exceedences and benzo(b)fluoranthene has 2 exceedences. Benzo(k)fluoranthene does not exceed its risk-based screening value in any sample. The highest individual PAH concentration detected was benzo(a)anthracene detected in Sample B779ASO003(0-3.5') at 1.04 mg/kg. The screening criteria used are USEPA PRGs.

Inorganic constituents exceed the risk-based screening values in 10 of the 12 samples carried through the risk-based screening. These constituents are arsenic and chromium. Arsenic concentrations exceeding the risk-based screening value range from 7.94 mg/kg in Sample B7710ASO004(0-4.1') to 9.33 mg/kg in Sample B779ASO004(0-2.9'). Arsenic is present in 8 of the 10 exceedences.

Chromium concentrations ranged from 20.7 mg/kg in Sample B77SB04(2.0') to 23.7 mg/kg in Sample B77SB03(2.0'). Chromium exceeds the risk-based screening value in 3 samples. Arsenic was screened using a USEPA PRG criterion and chromium was screened using TACO criterion.

3.5.3 Risk Evaluation

Results of the B77 risk calculations are presented in Table 3-10. These results indicate that the RS_{α} associated with the B77 study area samples is 4E-05 and the RS_{α} is 4E-01. The principle components of the RS_{α} are arsenic with an RS_c of 2E-05 (50 percent of the RS_{α}), benzo(a)pyrene with an RS_c of 6E-06 (15 percent of the RS_{α}), and benzo(a)anthracene with an RS_c of 6E-06 (15 percent of the RS_{α}). The RS_{α} is less than the HI of 1.

The RS_{α} for B77 is based on residential risk-based screening values, which, in accordance with the approved Concept Plan, are appropriate for the future use of this study area. The RS_{α} is within USEPA's target risk range. Additionally, the use of generic, conservative risk-based screening values to calculate the relative risk likely results in an overestimation of the potential risks. Furthermore, the 7 arsenic concentrations that exceeded the screening value are similar to the background UTL concentration of 7.85 mg/kg. The arsenic concentrations fall within a narrow range of 7.94 mg/kg to 9.33 mg/kg. There is no pattern to these concentrations suggestive of a release (e.g., a clustering of the highest values). Also contributing to the overestimation of potential risks is the fact that analytical data from the clean backfill places in the Removal Action excavations were not used in the relative risk evaluation. Therefore, it is likely that arsenic levels in the remaining soils at B77 are due to naturally occurring or anthropogenic background. If arsenic is factored out of the RS_{α} , the resulting value is 2E-05.

Also contributing to the overestimation of potential risks is the fact that analytical data from the clean backfill placed in the Removal Action excavations were not used in the relative risk evaluation. Therefore, given the fact that the adjusted RS_{α} of 2E-05 is well within USEPA's target risk range, given the conservative nature of the screening process, and given the presence of arsenic at background levels, the post-removal presence of arsenic and PAHs at the B77 study area do not pose an unacceptable risk to human health.

From an ecological standpoint, B77 was determined in the Miscellaneous Study Areas DER to pose no significant risks to ecological receptors because the study area provides marginal habitat to attract or maintain wildlife, and is not considered to represent any significant potential for pathways to ecological receptors. Areas around B77 consist of cultivated lawn, streets, parking, and other buildings. Because the marginal importance of the habitat has not been improved by the Removal Action, the determination of no adverse ecological effects in the Miscellaneous Study Areas DER remains unchanged.

3.6 Chapman Road Area Risk Screening

A total of 33 Removal Action soil samples were utilized for the risk-based screening at the Chapman Road area in the vicinity of B42, B43, and CSA3. Duplicate samples were collected from 2 of the 33 samples. The results of the background screening are presented in Table 3-11. The results of the risk-based screening process are presented in Table 3-12.

3.6.1 Background Screening Results

Inorganics exceed the background screening values in 24 of the 33 samples utilized in the background screening. The background screening values used are the constituent's UTL (ESE, 1997). Arsenic exceeds the background screening in 19 of the 33 samples. Arsenic concentrations range from 8.83 mg/kg in CHRDSB09(3') to 19.7 mg/kg in CHRDSB25(3'). Chromium exceeds the background screening in 11 samples. Chromium concentrations range from 20.1 mg/kg in CHRDSB26(3.0') to 26.6 mg/kg in CHRDSB03(0.5'). Lead exceeds the background screening in 9 samples with concentrations ranging from 14.4 mg/kg in CHRDSB01(1.5') to 171 mg/kg in CHRDSB26(0.5'). Mercury and selenium exceed their background screening values in 3 samples, barium in 2 samples, and beryllium and silver exceed their background screening values in 1 sample. These constituents were carried forward to the risk-based screening process.

3.6.2 Risk-Based Screening Results

PAH constituents exceed the risk-based screening values in 5 of the 33 samples utilized in the risk-based screening. Analytical results indicate that 5 of the 6 PAHs detected exceeded the risk-based screening values. Benzo(a)pyrene is the most common PAH exceeding the risk-based screening values with 5 exceedences. Dibenzo(a,h)anthracene is the second most common PAH exceeding the risk-based screening value with 2 exceedences followed by 1 exceedence each of benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene. Benzo(k)fluoranthene does not exceed its risk-based screening value in any sample. The highest individual PAH concentration detected is indeno(1,2,3-cd)pyrene detected in Sample CHRDSB02(0.5) at 10.5 mg/kg. The screening criteria used are USEPA PRGs.

3.6.3 Risk Evaluation

Results of the Chapman Road area risk calculations are presented in Table 3-13. These results indicate that the RS_{α} associated with the Chapman Road area samples is $6E-05$ and the RS_{α} is $5E-01$. The principle components of the RS_{α} are arsenic with an RS_c of $3E-05$ (50 percent of the RS_{α}) and benzo(a)pyrene with an RS_c of $2E-05$ (33 percent of the RS_{α}). The RS_{α} is less than the HI of 1.

The RS_{α} for the Chapman Road area is based on residential risk-based screening values. Although arsenic makes up 50 percent of the RS_{α} , the 95% UCL of 11.1 mg/kg is similar to the surface and subsurface UTLs of 8.96 mg/kg and 7.85 mg/kg, respectively. Therefore, it is likely that the arsenic levels detected are not the result of mission-related activities, but are due to naturally occurring or anthropogenic background. If arsenic is factored out of the RS_{α} , the resulting value is 3E-05. The adjusted RS_{α} of 3E-05 is well within USEPA's target risk range of 1E-06 to 1E-04. Additionally, although present in a future residential area, Chapman Road is expected to remain a road (see the Concept Plan). Therefore, given the conservative nature of the screening process and the fact that Chapman Road will remain a road, the post-removal presence of PAHs and arsenic at the Chapman Road area do not pose an unacceptable risk to human health.

The existing Chapman Road area will be covered by new roads and will not be exposed to the surface environment. Therefore, no ecological contact will occur with the Chapman Road area soil, and no adverse ecological effects are anticipated.

Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 1 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B421ASO004							
MS0869	0-3.7	Benzo(a)Anthracene	0.218	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0869	0-3.7	Benzo(a)Pyrene	0.24	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0869	0-3.7	Benzo(b)Fluoranthene	0.227	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0869	0-3.7	Benzo(k)Fluoranthene	0.117	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0869	0-3.7	Dibenzo(a,h)Anthracene	0.074	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0869	0-3.7	Indeno(1,2,3-cd)Pyrene	0.344	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421BSO002							
MS0598	3.9-4.4	Benzo(a)Anthracene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0598	3.9-4.4	Benzo(a)Pyrene	0.008	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0598	3.9-4.4	Benzo(b)Fluoranthene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0598	3.9-4.4	Benzo(k)Fluoranthene	0.004	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0598	3.9-4.4	Dibenzo(a,h)Anthracene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0598	3.9-4.4	Indeno(1,2,3-cd)Pyrene	0.011	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421BSO003							
MS0599	0-3.6	Benzo(a)Anthracene	0.602	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0599	0-3.6	Benzo(a)Pyrene	0.606	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0599	0-3.6	Benzo(b)Fluoranthene	0.555	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0599	0-3.6	Benzo(k)Fluoranthene	0.274	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0599	0-3.6	Dibenzo(a,h)Anthracene	0.147	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0599	0-3.6	Indeno(1,2,3-cd)Pyrene	0.808	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B421CSO001							
MS0600	3.8-4.3	Benzo(a)Anthracene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0600	3.8-4.3	Benzo(a)Pyrene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0600	3.8-4.3	Benzo(b)Fluoranthene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0600	3.8-4.3	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0600	3.8-4.3	Dibenzo(a,h)Anthracene	0.0009	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0600	3.8-4.3	Indeno(1,2,3-cd)Pyrene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421CSO003							
MS0602/MS0603FD	0-3.9	Benzo(a)Anthracene	0.361*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0602/MS0603FD	0-3.9	Benzo(a)Pyrene	0.373*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 2 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B421CSO003							
MS0602/MS0603FD	0-3.9	Benzo(b)Fluoranthene	0.245*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0602/MS0603FD	0-3.9	Benzo(k)Fluoranthene	0.1388*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0602/MS0603FD	0-3.9	Dibenzo(a,h)Anthracene	0.156*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0602/MS0603FD	0-3.9	Indeno(1,2,3-cd)Pyrene	0.7065*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B421CSO004							
MS0604	0-3.9	Benzo(a)Anthracene	0.626	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0604	0-3.9	Benzo(a)Pyrene	0.602	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0604	0-3.9	Benzo(b)Fluoranthene	0.56	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0604	0-3.9	Benzo(k)Fluoranthene	0.28	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0604	0-3.9	Dibenzo(a,h)Anthracene	0.255	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0604	0-3.9	Indeno(1,2,3-cd)Pyrene	0.874	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B421DSO001							
MS0638	4.1-4.6	Benzo(a)Anthracene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0638	4.1-4.6	Benzo(a)Pyrene	0.01	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0638	4.1-4.6	Benzo(b)Fluoranthene	0.009	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0638	4.1-4.6	Benzo(k)Fluoranthene	0.005	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0638	4.1-4.6	Dibenzo(a,h)Anthracene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0638	4.1-4.6	Indeno(1,2,3-cd)Pyrene	0.011	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421DSO002							
MS0639	4.2-4.7	Benzo(a)Anthracene	0.008	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0639	4.2-4.7	Benzo(a)Pyrene	0.008	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0639	4.2-4.7	Benzo(b)Fluoranthene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0639	4.2-4.7	Benzo(k)Fluoranthene	0.004	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0639	4.2-4.7	Dibenzo(a,h)Anthracene	0.002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0639	4.2-4.7	Indeno(1,2,3-cd)Pyrene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421DSO003							
MS0640	0-4.2	Benzo(a)Anthracene	0.148	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0640	0-4.2	Benzo(a)Pyrene	0.152	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0640	0-4.2	Benzo(b)Fluoranthene	0.13	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0640	0-4.2	Benzo(k)Fluoranthene	0.071	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 3 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B421DSO003							
MS0640	0-4.2	Dibenzo(a,h)Anthracene	0.052	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0640	0-4.2	Indeno(1,2,3-cd)Pyrene	0.195	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421DSO004							
MS0641	0-3.3	Benzo(a)Anthracene	0.323	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0641	0-3.3	Benzo(a)Pyrene	0.344	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0641	0-3.3	Benzo(b)Fluoranthene	0.3	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0641	0-3.3	Benzo(k)Fluoranthene	0.159	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0641	0-3.3	Dibenzo(a,h)Anthracene	0.135	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0641	0-3.3	Indeno(1,2,3-cd)Pyrene	0.558	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421ESO001							
MS0594	3.6-4.1	Benzo(a)Anthracene	0.013	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0594	3.6-4.1	Benzo(a)Pyrene	0.012	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0594	3.6-4.1	Benzo(b)Fluoranthene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0594	3.6-4.1	Benzo(k)Fluoranthene	0.006	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0594	3.6-4.1	Dibenzo(a,h)Anthracene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0594	3.6-4.1	Indeno(1,2,3-cd)Pyrene	0.014	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421ESO002							
MS0595	3.8-4.3	Dibenzo(a,h)Anthracene	0.0005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421ESO003							
MS0702	0-4.3	Benzo(a)Anthracene	2.87	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0702	0-4.3	Benzo(a)Pyrene	2.69	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0702	0-4.3	Benzo(b)Fluoranthene	2.13	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0702	0-4.3	Benzo(k)Fluoranthene	1.16	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0702	0-4.3	Dibenzo(a,h)Anthracene	0.718	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0702	0-4.3	Indeno(1,2,3-cd)Pyrene	3.34	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B421FSO002							
MS0606	3.6-4.1	Benzo(a)Anthracene	0.013	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0606	3.6-4.1	Benzo(a)Pyrene	0.013	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0606	3.6-4.1	Benzo(b)Fluoranthene	0.012	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0606	3.6-4.1	Benzo(k)Fluoranthene	0.006	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 4 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B421FSO002							
MS0606	3.6-4.1	Dibenzo(a,h)Anthracene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0606	3.6-4.1	Indeno(1,2,3-cd)Pyrene	0.018	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421FSO003							
MS0607	0-3.9	Benzo(a)Anthracene	0.471	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0607	0-3.9	Benzo(a)Pyrene	0.424	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0607	0-3.9	Benzo(b)Fluoranthene	0.397	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0607	0-3.9	Benzo(k)Fluoranthene	0.198	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0607	0-3.9	Dibenzo(a,h)Anthracene	0.175	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0607	0-3.9	Indeno(1,2,3-cd)Pyrene	0.601	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421FSO004							
MS0608	0-4.2	Benzo(a)Anthracene	0.489	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0608	0-4.2	Benzo(a)Pyrene	0.48	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0608	0-4.2	Benzo(b)Fluoranthene	0.416	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0608	0-4.2	Benzo(k)Fluoranthene	0.215	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0608	0-4.2	Dibenzo(a,h)Anthracene	0.145	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0608	0-4.2	Indeno(1,2,3-cd)Pyrene	0.533	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421GSO001							
MS0612	3.7-4.2	Benzo(a)Anthracene	0.018	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0612	3.7-4.2	Benzo(a)Pyrene	0.016	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0612	3.7-4.2	Benzo(b)Fluoranthene	0.014	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0612	3.7-4.2	Benzo(k)Fluoranthene	0.007	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0612	3.7-4.2	Dibenzo(a,h)Anthracene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0612	3.7-4.2	Indeno(1,2,3-cd)Pyrene	0.024	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421GSO003							
MS0614	0-2.8	Benzo(a)Anthracene	0.963	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0614	0-2.8	Benzo(a)Pyrene	0.959	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0614	0-2.8	Benzo(b)Fluoranthene	0.814	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0614	0-2.8	Benzo(k)Fluoranthene	0.442	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0614	0-2.8	Dibenzo(a,h)Anthracene	0.284	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0614	0-2.8	Indeno(1,2,3-cd)Pyrene	1.29	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 5 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B421GSO004							
MS0615/MS0616FD	0-3.6	Benzo(a)Anthracene	0.0945*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0615/MS0616FD	0-3.6	Benzo(a)Pyrene	0.092*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0615/MS0616FD	0-3.6	Benzo(b)Fluoranthene	0.082*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0615/MS0616FD	0-3.6	Benzo(k)Fluoranthene	0.043*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0615/MS0616FD	0-3.6	Dibenzo(a,h)Anthracene	0.025*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0615/MS0616FD	0-3.6	Indeno(1,2,3-cd)Pyrene	0.1505*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B421GSO0R2							
MS0669	4.8-5.3	Benzo(a)Anthracene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0669	4.8-5.3	Benzo(a)Pyrene	0.005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0669	4.8-5.3	Benzo(b)Fluoranthene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0669	4.8-5.3	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0669	4.8-5.3	Indeno(1,2,3-cd)Pyrene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422ASO003							
MS0679/MS0680FD	0-4.4	Benzo(a)Anthracene	3.97*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0679/MS0680FD	0-4.4	Benzo(a)Pyrene	3.72*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0679/MS0680FD	0-4.4	Benzo(b)Fluoranthene	3.02*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0679/MS0680FD	0-4.4	Benzo(k)Fluoranthene	1.785*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0679/MS0680FD	0-4.4	Dibenzo(a,h)Anthracene	1.385*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0679/MS0680FD	0-4.4	Indeno(1,2,3-cd)Pyrene	4.845*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B422BSO00A							
MS0739	15-15.5	Dibenzo(a,h)Anthracene	0.0007	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422BSO00B							
MS0740	0-4.5	Benzo(a)Anthracene	0.037	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0740	0-4.5	Benzo(a)Pyrene	0.045	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0740	0-4.5	Benzo(b)Fluoranthene	0.038	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0740	0-4.5	Benzo(k)Fluoranthene	0.019	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0740	0-4.5	Indeno(1,2,3-cd)Pyrene	0.065	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422CSO004							
MS0685	0-4.6	Benzo(a)Anthracene	0.096	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0685	0-4.6	Benzo(a)Pyrene	0.115	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 6 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B422CSO004							
MS0685	0-4.6	Benzo(b)Fluoranthene	0.092	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0685	0-4.6	Benzo(k)Fluoranthene	0.049	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0685	0-4.6	Dibenzo(a,h)Anthracene	0.05	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0685	0-4.6	Indeno(1,2,3-cd)Pyrene	0.156	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422DSO002							
MS0664	4-4.5	Benzo(a)Anthracene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0664	4-4.5	Benzo(a)Pyrene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0664	4-4.5	Benzo(b)Fluoranthene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0664	4-4.5	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0664	4-4.5	Dibenzo(a,h)Anthracene	0.001	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0664	4-4.5	Indeno(1,2,3-cd)Pyrene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422DSO003							
MS0665	0-3.7	Benzo(a)Anthracene	0.097	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0665	0-3.7	Benzo(a)Pyrene	0.104	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0665	0-3.7	Benzo(b)Fluoranthene	0.1	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0665	0-3.7	Dibenzo(a,h)Anthracene	0.029	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422DSO004							
MS0666/MS0667FD	0-3.5	Benzo(a)Anthracene	0.2335*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0666/MS0667FD	0-3.5	Benzo(a)Pyrene	0.237*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0666/MS0667FD	0-3.5	Benzo(b)Fluoranthene	0.2235*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0666/MS0667FD	0-3.5	Benzo(k)Fluoranthene	0.0855*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0666/MS0667FD	0-3.5	Dibenzo(a,h)Anthracene	0.0955*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0666/MS0667FD	0-3.5	Indeno(1,2,3-cd)Pyrene	0.215*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422GSO003							
MS0689	0-2.7	Benzo(a)Anthracene	0.101	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0689	0-2.7	Benzo(a)Pyrene	0.118	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0689	0-2.7	Benzo(k)Fluoranthene	0.053	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0689	0-2.7	Dibenzo(a,h)Anthracene	0.022	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B422GSO004							
MS0690/MS0691FD	0-3.3	Benzo(a)Anthracene	0.1585*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 7 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B422GSO004							
MS0690/MS0691FD	0-3.3	Benzo(a)Pyrene	0.1895*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0690/MS0691FD	0-3.3	Benzo(b)Fluoranthene	0.167*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0690/MS0691FD	0-3.3	Benzo(k)Fluoranthene	0.0895*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0690/MS0691FD	0-3.3	Dibenzo(a,h)Anthracene	0.048*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0690/MS0691FD	0-3.3	Indeno(1,2,3-cd)Pyrene	0.2665*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423ASO003							
MS0624	0-3.8	Benzo(a)Anthracene	1.19	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0624	0-3.8	Benzo(a)Pyrene	1.24	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0624	0-3.8	Benzo(b)Fluoranthene	1.11	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0624	0-3.8	Benzo(k)Fluoranthene	0.606	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0624	0-3.8	Dibenzo(a,h)Anthracene	0.431	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0624	0-3.8	Indeno(1,2,3-cd)Pyrene	1.49	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423ASO004							
MS0625	0-1.5	Benzo(a)Anthracene	1.66	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0625	0-1.5	Benzo(a)Pyrene	1.68	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0625	0-1.5	Benzo(b)Fluoranthene	1.42	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0625	0-1.5	Benzo(k)Fluoranthene	0.782	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0625	0-1.5	Dibenzo(a,h)Anthracene	0.627	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0625	0-1.5	Indeno(1,2,3-cd)Pyrene	2.29	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423ASO005							
MS0626	0-3.8	Benzo(a)Anthracene	0.097	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0626	0-3.8	Benzo(a)Pyrene	0.096	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0626	0-3.8	Benzo(b)Fluoranthene	0.085	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0626	0-3.8	Benzo(k)Fluoranthene	0.046	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0626	0-3.8	Dibenzo(a,h)Anthracene	0.027	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0626	0-3.8	Indeno(1,2,3-cd)Pyrene	0.135	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423ASO0R2							
MS0743	5.9-6.4	Benzo(a)Anthracene	0.062	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0743	5.9-6.4	Benzo(a)Pyrene	0.066	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0743	5.9-6.4	Benzo(b)Fluoranthene	0.057	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 8 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B423ASO0R2							
MS0743	5.9-6.4	Benzo(k)Fluoranthene	0.031	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0743	5.9-6.4	Dibenzo(a,h)Anthracene	0.02	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0743	5.9-6.4	Indeno(1,2,3-cd)Pyrene	0.09	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423BSO003							
MS0629	0-4	Benzo(a)Anthracene	1.86	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0629	0-4	Benzo(a)Pyrene	1.92	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0629	0-4	Benzo(b)Fluoranthene	1.69	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0629	0-4	Benzo(k)Fluoranthene	0.917	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0629	0-4	Dibenzo(a,h)Anthracene	0.661	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0629	0-4	Indeno(1,2,3-cd)Pyrene	2.68	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423BSO004							
MS0630/MS0631FD	0-1.5	Benzo(a)Anthracene	1.725*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0630/MS0631FD	0-1.5	Benzo(a)Pyrene	1.75*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0630/MS0631FD	0-1.5	Benzo(b)Fluoranthene	1.52*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0630/MS0631FD	0-1.5	Benzo(k)Fluoranthene	0.8235*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0630/MS0631FD	0-1.5	Dibenzo(a,h)Anthracene	0.6135*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0630/MS0631FD	0-1.5	Indeno(1,2,3-cd)Pyrene	2.33*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423CSO004							
MS0635	0-3.9	Benzo(a)Anthracene	1.02	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0635	0-3.9	Benzo(a)Pyrene	1.09	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0635	0-3.9	Benzo(b)Fluoranthene	0.929	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0635	0-3.9	Benzo(k)Fluoranthene	0.507	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0635	0-3.9	Dibenzo(a,h)Anthracene	0.361	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0635	0-3.9	Indeno(1,2,3-cd)Pyrene	1.49	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423CSO0R2							
MS0676	5.1-5.6	Benzo(a)Anthracene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0676	5.1-5.6	Benzo(a)Pyrene	0.008	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0676	5.1-5.6	Benzo(b)Fluoranthene	0.008	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0676	5.1-5.6	Benzo(k)Fluoranthene	0.004	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0676	5.1-5.6	Dibenzo(a,h)Anthracene	0.002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 9 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B423CSO0R2							
MS0676	5.1-5.6	Indeno(1,2,3-cd)Pyrene	0.013	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423DSO004							
MS0645/MS0646FD	0-3.4	Benzo(a)Anthracene	1.635*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0645/MS0646FD	0-3.4	Benzo(a)Pyrene	1.765*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0645/MS0646FD	0-3.4	Benzo(b)Fluoranthene	1.515*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0645/MS0646FD	0-3.4	Benzo(k)Fluoranthene	0.838*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0645/MS0646FD	0-3.4	Dibenzo(a,h)Anthracene	0.5295*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0645/MS0646FD	0-3.4	Indeno(1,2,3-cd)Pyrene	1.995*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423DSO0R3							
MS0928	0-4.6	Benzo(a)Anthracene	0.211	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0928	0-4.6	Benzo(a)Pyrene	0.251	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0928	0-4.6	Benzo(b)Fluoranthene	0.19	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0928	0-4.6	Benzo(k)Fluoranthene	0.106	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0928	0-4.6	Dibenzo(a,h)Anthracene	0.073	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0928	0-4.6	Indeno(1,2,3-cd)Pyrene	0.338	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423ESO004							
MS0650	0-4.6	Benzo(a)Anthracene	2.21	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0650	0-4.6	Benzo(a)Pyrene	2.41	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0650	0-4.6	Benzo(b)Fluoranthene	2.02	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0650	0-4.6	Benzo(k)Fluoranthene	1.11	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0650	0-4.6	Dibenzo(a,h)Anthracene	0.695	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0650	0-4.6	Indeno(1,2,3-cd)Pyrene	2.63	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423ESO0R2							
MS0696	4.3-4.8	Benzo(a)Anthracene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0696	4.3-4.8	Benzo(a)Pyrene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0696	4.3-4.8	Benzo(b)Fluoranthene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0696	4.3-4.8	Indeno(1,2,3-cd)Pyrene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423ESO0R3							
MS0929	0-4.5	Benzo(a)Anthracene	0.787	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0929	0-4.5	Benzo(a)Pyrene	0.909	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Screening, Surplus OU, Fort Sheridan, Illinois - Page 10 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B423FSO0R3							
MS0929	0-4.5	Benzo(b)Fluoranthene	0.683	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0929	0-4.5	Benzo(k)Fluoranthene	0.383	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0929	0-4.5	Dibenzo(a,h)Anthracene	0.291	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0929	0-4.5	Indeno(1,2,3-cd)Pyrene	1.19	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423FSO004							
MS0654	0-2.5	Benzo(a)Anthracene	1.82	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0654	0-2.5	Benzo(a)Pyrene	2.04	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0654	0-2.5	Benzo(b)Fluoranthene	1.73	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0654	0-2.5	Benzo(k)Fluoranthene	0.947	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0654	0-2.5	Dibenzo(a,h)Anthracene	0.61	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0654	0-2.5	Indeno(1,2,3-cd)Pyrene	2.44	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423FSO0R1							
MS0697	4.9-5.4	Benzo(a)Anthracene	0.026	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0697	4.9-5.4	Benzo(a)Pyrene	0.024	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0697	4.9-5.4	Benzo(b)Fluoranthene	0.022	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0697	4.9-5.4	Benzo(k)Fluoranthene	0.012	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0697	4.9-5.4	Dibenzo(a,h)Anthracene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0697	4.9-5.4	Indeno(1,2,3-cd)Pyrene	0.031	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423FSO0R3							
MS0930	0-4.9	Benzo(a)Anthracene	0.118	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0930	0-4.9	Benzo(a)Pyrene	0.129	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0930	0-4.9	Benzo(b)Fluoranthene	0.099	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0930	0-4.9	Benzo(k)Fluoranthene	0.054	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0930	0-4.9	Dibenzo(a,h)Anthracene	0.035	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0930	0-4.9	Indeno(1,2,3-cd)Pyrene	0.171	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423GTSO003							
MS0657	0-2.5	Benzo(a)Anthracene	0.46	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0657	0-2.5	Benzo(a)Pyrene	0.49	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0657	0-2.5	Benzo(b)Fluoranthene	0.423	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0657	0-2.5	Benzo(k)Fluoranthene	0.231	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-1. Results of B42 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 11 of 11

Site ID Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B423GTSO003							
MS0657	0-2.5	Dibenzo(a,h)Anthracene	0.154	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0657	0-2.5	Indeno(1,2,3-cd)Pyrene	0.585	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423GTSO004							
MS0658/MS0659FD	0-3	Benzo(a)Anthracene	1.705*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0658/MS0659FD	0-3	Benzo(a)Pyrene	1.705*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0658/MS0659FD	0-3	Benzo(b)Fluoranthene	1.52*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0658/MS0659FD	0-3	Benzo(k)Fluoranthene	0.824*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0658/MS0659FD	0-3	Dibenzo(a,h)Anthracene	0.5865*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
MS0658/MS0659FD	0-3	Indeno(1,2,3-cd)Pyrene	2.17*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B423GTSO0R1							
MS0746	4.7-5.2	Benzo(a)Anthracene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0746	4.7-5.2	Benzo(a)Pyrene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0746	4.7-5.2	Benzo(b)Fluoranthene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0746	4.7-5.2	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0746	4.7-5.2	Indeno(1,2,3-cd)Pyrene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B423GTSO0R2							
MS0747	4.8-5.3	Benzo(a)Anthracene	0.034	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0747	4.8-5.3	Benzo(a)Pyrene	0.039	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0747	4.8-5.3	Benzo(b)Fluoranthene	0.033	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0747	4.8-5.3	Benzo(k)Fluoranthene	0.017	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0747	4.8-5.3	Dibenzo(a,h)Anthracene	0.015	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
MS0747	4.8-5.3	Indeno(1,2,3-cd)Pyrene	0.047	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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PRG = Preliminary Remediation Goal
mg/kg = Milligrams per kilogram
* = Value is averaged with duplicate
Source: QST

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Table 3-2. B42 Carcinogenic Risk, Surplus OU Soil Removal, Fort Sheridan, Illinois

Constituent	UCL or Maximum Concentration Detected (mg/kg)	Carcinogenic Screening Value (mg/kg)	Individual Carcinogenic Risk
Benzo(a)anthracene	3.97	0.60866	7e-06
Benzo(a)pyrene	3.72	0.06086	6e-05
Benzo(b)fluoranthene	3.02	0.60866	5e-06
Dibenzo(a,h)anthracene	0.696*	0.06086	1e-05
Indeno(1,2,3-cd)pyrene	4.845	0.60866	8e-06
Cumulative Risk			9e-05

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UCL = Upper Confidence Limit of mean concentration

mg/kg = Milligrams per kilogram

* = Value listed is the UCL for the constituent

Source: QST

Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 1 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B434ASO001								
	MS0794	4.8-5.3	Benzo(a)Anthracene	0.04	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0794	4.8-5.3	Benzo(a)Pyrene	0.037	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0794	4.8-5.3	Benzo(b)Fluoranthene	0.033	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0794	4.8-5.3	Benzo(k)Fluoranthene	0.018	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0794	4.8-5.3	Dibenzo(a,h)Anthracene	0.005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0794	4.8-5.3	Indeno(1,2,3-cd)Pyrene	0.034	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434ASO003								
	MS0796	0-5.1	Benzo(a)Anthracene	0.358	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0796	0-5.1	Benzo(a)Pyrene	0.415	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0796	0-5.1	Benzo(b)Fluoranthene	0.396	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0796	0-5.1	Benzo(k)Fluoranthene	0.178	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0796	0-5.1	Dibenzo(a,h)Anthracene	0.043	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0796	0-5.1	Indeno(1,2,3-cd)Pyrene	0.438	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434ASO004								
	MS0797	0-3.9	Benzo(a)Anthracene	1.08	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0797	0-3.9	Benzo(a)Pyrene	1.07	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0797	0-3.9	Benzo(b)Fluoranthene	1.03	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0797	0-3.9	Benzo(k)Fluoranthene	0.516	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0797	0-3.9	Dibenzo(a,h)Anthracene	0.11	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0797	0-3.9	Indeno(1,2,3-cd)Pyrene	1.04	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B434BSO003								
	MS0806	0-3.4	Benzo(a)Anthracene	0.993	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0806	0-3.4	Benzo(a)Pyrene	1.09	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0806	0-3.4	Benzo(b)Fluoranthene	1.07	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0806	0-3.4	Benzo(k)Fluoranthene	0.542	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0806	0-3.4	Dibenzo(a,h)Anthracene	0.105	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0806	0-3.4	Indeno(1,2,3-cd)Pyrene	1.16	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B434CSO0R3								
	MS0913	0-4	Benzo(a)Anthracene	0.348	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 2 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B434CSO0R3								
	MS0913	0-4	Benzo(a)Pyrene	0.425	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0913	0-4	Benzo(b)Fluoranthene	0.321	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0913	0-4	Benzo(k)Fluoranthene	0.182	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0913	0-4	Dibenzo(a,h)Anthracene	0.136	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0913	0-4	Indeno(1,2,3-cd)Pyrene	0.504	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434DSO003								
	MS0800	0-5.9	Benzo(a)Anthracene	0.12	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0800	0-5.9	Benzo(a)Pyrene	0.103	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0800	0-5.9	Benzo(b)Fluoranthene	0.112	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0800	0-5.9	Benzo(k)Fluoranthene	0.02	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0800	0-5.9	Dibenzo(a,h)Anthracene	0.024	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0800	0-5.9	Indeno(1,2,3-cd)Pyrene	0.025	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434DSO004								
	MS0801/MS0802FD	0-3.9	Benzo(a)Anthracene	0.093*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0801/MS0802FD	0-3.9	Benzo(a)Pyrene	0.1005*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0801/MS0802FD	0-3.9	Benzo(b)Fluoranthene	0.0985*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0801/MS0802FD	0-3.9	Benzo(k)Fluoranthene	0.0485*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0801/MS0802FD	0-3.9	Dibenzo(a,h)Anthracene	0.0125*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0801/MS0802FD	0-3.9	Indeno(1,2,3-cd)Pyrene	0.1115*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434ESO001								
	MS0807	4-4.5	Benzo(a)Anthracene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0807	4-4.5	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434ESO002								
	MS0808	4.2-4.7	Dibenzo(a,h)Anthracene	0.0003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434ESO003								
	MS0809/MS0810FD	0-4.3	Benzo(a)Anthracene	1.65*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0809/MS0810FD	0-4.3	Benzo(a)Pyrene	1.69*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0809/MS0810FD	0-4.3	Benzo(b)Fluoranthene	1.565*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0809/MS0810FD	0-4.3	Benzo(k)Fluoranthene	0.797*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 3 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B434ESO003								
	MS0809/MS0810FD	0-4.3	Dibenzo(a,h)Anthracene	0.2205*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0809/MS0810FD	0-4.3	Indeno(1,2,3-cd)Pyrene	1.63*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B434FSO004								
	MS0822	0-4.6	Benzo(a)Anthracene	0.233	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0822	0-4.6	Benzo(a)Pyrene	0.223	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0822	0-4.6	Benzo(b)Fluoranthene	0.221	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0822	0-4.6	Benzo(k)Fluoranthene	0.109	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0822	0-4.6	Dibenzo(a,h)Anthracene	0.023	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0822	0-4.6	Indeno(1,2,3-cd)Pyrene	0.225	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434FSO0R3								
	MS0911/MS0912FD	0-4	Benzo(a)Anthracene	0.238*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0911/MS0912FD	0-4	Benzo(a)Pyrene	0.2525*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0911/MS0912FD	0-4	Benzo(b)Fluoranthene	0.215*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0911/MS0912FD	0-4	Benzo(k)Fluoranthene	0.1245*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0911/MS0912FD	0-4	Dibenzo(a,h)Anthracene	0.1015*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0911/MS0912FD	0-4	Indeno(1,2,3-cd)Pyrene	0.3335*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B434ISO004								
	MS0827	0-4.3	Benzo(a)Anthracene	0.68	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0827	0-4.3	Benzo(a)Pyrene	0.673	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0827	0-4.3	Benzo(b)Fluoranthene	0.772	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0827	0-4.3	Benzo(k)Fluoranthene	0.388	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0827	0-4.3	Dibenzo(a,h)Anthracene	0.094	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0827	0-4.3	Indeno(1,2,3-cd)Pyrene	0.855	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B434ISO0R3								
	MS0914	0-3	Benzo(a)Anthracene	1.33	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0914	0-3	Benzo(a)Pyrene	1.42	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0914	0-3	Benzo(b)Fluoranthene	1.07	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0914	0-3	Benzo(k)Fluoranthene	0.588	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0914	0-3	Dibenzo(a,h)Anthracene	0.263	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 4 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B434ISO0R3								
	MS0914	0-3	Indeno(1,2,3-cd)Pyrene	1.5	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B434JSO003								
	MS0813	0-4.3	Benzo(a)Anthracene	0.607	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0813	0-4.3	Benzo(a)Pyrene	0.629	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0813	0-4.3	Benzo(b)Fluoranthene	0.636	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0813	0-4.3	Benzo(k)Fluoranthene	0.331	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0813	0-4.3	Dibenzo(a,h)Anthracene	0.072	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0813	0-4.3	Indeno(1,2,3-cd)Pyrene	0.707	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B434JSO0R4								
	MS0915	0-2.6	Benzo(a)Anthracene	0.08	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0915	0-2.6	Benzo(a)Pyrene	0.111	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0915	0-2.6	Benzo(b)Fluoranthene	0.087	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0915	0-2.6	Benzo(k)Fluoranthene	0.046	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0915	0-2.6	Dibenzo(a,h)Anthracene	0.031	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0915	0-2.6	Indeno(1,2,3-cd)Pyrene	0.18	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435ATSO003								
	MS0714	0-5.2	Benzo(a)Anthracene	0.258	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0714	0-5.2	Benzo(a)Pyrene	0.287	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0714	0-5.2	Benzo(b)Fluoranthene	0.245	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0714	0-5.2	Benzo(k)Fluoranthene	0.131	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0714	0-5.2	Dibenzo(a,h)Anthracene	0.11	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0714	0-5.2	Indeno(1,2,3-cd)Pyrene	0.431	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435ATSO004								
	MS0715/MS0716FD	0-5.2	Benzo(a)Anthracene	0.218*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0715/MS0716FD	0-5.2	Benzo(a)Pyrene	0.224*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0715/MS0716FD	0-5.2	Benzo(b)Fluoranthene	0.187*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0715/MS0716FD	0-5.2	Benzo(k)Fluoranthene	0.098*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0715/MS0716FD	0-5.2	Dibenzo(a,h)Anthracene	0.0655*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0715/MS0716FD	0-5.2	Indeno(1,2,3-cd)Pyrene	0.292*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 5 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B435BSO003								
	MS0719	0-5.3	Benzo(a)Anthracene	2.77	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0719	0-5.3	Benzo(a)Pyrene	2.76	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0719	0-5.3	Benzo(b)Fluoranthene	2.24	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0719	0-5.3	Benzo(k)Fluoranthene	1.22	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0719	0-5.3	Dibenzo(a,h)Anthracene	0.805	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0719	0-5.3	Indeno(1,2,3-cd)Pyrene	3.61	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B435BSO004								
	MS0720	0-5.3	Benzo(a)Anthracene	0.275	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0720	0-5.3	Benzo(a)Pyrene	0.315	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0720	0-5.3	Benzo(b)Fluoranthene	0.273	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0720	0-5.3	Benzo(k)Fluoranthene	0.152	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0720	0-5.3	Dibenzo(a,h)Anthracene	0.112	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0720	0-5.3	Indeno(1,2,3-cd)Pyrene	0.436	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435BSO0R1								
	MS0751	5.3-5.8	Benzo(a)Anthracene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0751	5.3-5.8	Benzo(a)Pyrene	0.008	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0751	5.3-5.8	Benzo(b)Fluoranthene	0.008	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0751	5.3-5.8	Benzo(k)Fluoranthene	0.004	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0751	5.3-5.8	Dibenzo(a,h)Anthracene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0751	5.3-5.8	Indeno(1,2,3-cd)Pyrene	0.015	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435CSO003								
	MS0706	0-5	Benzo(a)Anthracene	1.18	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0706	0-5	Benzo(a)Pyrene	1.15	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0706	0-5	Benzo(b)Fluoranthene	0.943	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0706	0-5	Benzo(k)Fluoranthene	0.516	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0706	0-5	Dibenzo(a,h)Anthracene	0.335	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0706	0-5	Indeno(1,2,3-cd)Pyrene	1.4	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B435CSO004								
	MS0707	0-5	Benzo(a)Anthracene	0.385	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 6 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B435CSO004								
	MS0707	0-5	Benzo(a)Pyrene	0.397	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0707	0-5	Benzo(b)Fluoranthene	0.337	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0707	0-5	Benzo(k)Fluoranthene	0.186	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0707	0-5	Dibenzo(a,h)Anthracene	0.146	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0707	0-5	Indeno(1,2,3-cd)Pyrene	0.561	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435DSO001								
	MS0708	4.4-4.9	Benzo(a)Anthracene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0708	4.4-4.9	Benzo(a)Pyrene	0.011	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0708	4.4-4.9	Benzo(b)Fluoranthene	0.009	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0708	4.4-4.9	Benzo(k)Fluoranthene	0.005	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0708	4.4-4.9	Dibenzo(a,h)Anthracene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0708	4.4-4.9	Indeno(1,2,3-cd)Pyrene	0.016	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435DSO002								
	MS0709	4.4-4.9	Benzo(a)Anthracene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0709	4.4-4.9	Benzo(a)Pyrene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0709	4.4-4.9	Benzo(b)Fluoranthene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0709	4.4-4.9	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0709	4.4-4.9	Dibenzo(a,h)Anthracene	0.002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0709	4.4-4.9	Indeno(1,2,3-cd)Pyrene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435DSO004								
	MS0711	0-4.1	Benzo(a)Anthracene	0.582	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0711	0-4.1	Benzo(a)Pyrene	0.587	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0711	0-4.1	Benzo(b)Fluoranthene	0.495	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0711	0-4.1	Benzo(k)Fluoranthene	0.265	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0711	0-4.1	Dibenzo(a,h)Anthracene	0.165	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0711	0-4.1	Indeno(1,2,3-cd)Pyrene	0.77	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B435DSO0R3								
	MS0932	0-4.4	Benzo(a)Anthracene	0.102	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0932	0-4.4	Benzo(a)Pyrene	0.106	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 7 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B435DSO0R3								
	MS0932	0-4.4	Benzo(b)Fluoranthene	0.093	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0932	0-4.4	Benzo(k)Fluoranthene	0.051	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435ESO001								
	MS0722	5.9-6.4	Benzo(a)Anthracene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0722	5.9-6.4	Benzo(a)Pyrene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0722	5.9-6.4	Benzo(b)Fluoranthene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0722	5.9-6.4	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0722	5.9-6.4	Indeno(1,2,3-cd)Pyrene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435ESO002								
	MS0723	5.9-6.4	Benzo(a)Anthracene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0723	5.9-6.4	Benzo(a)Pyrene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0723	5.9-6.4	Benzo(b)Fluoranthene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0723	5.9-6.4	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0723	5.9-6.4	Indeno(1,2,3-cd)Pyrene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435ESO004								
	MS0726	0-5.7	Benzo(a)Anthracene	0.255	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0726	0-5.7	Benzo(a)Pyrene	0.258	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0726	0-5.7	Benzo(b)Fluoranthene	0.211	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0726	0-5.7	Benzo(k)Fluoranthene	0.114	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0726	0-5.7	Dibenzo(a,h)Anthracene	0.079	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0726	0-5.7	Indeno(1,2,3-cd)Pyrene	0.333	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435ESO0R3								
	MS0920	0-5.7	Benzo(a)Anthracene	1.09	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0920	0-5.7	Benzo(a)Pyrene	1.25	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0920	0-5.7	Benzo(b)Fluoranthene	0.979	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0920	0-5.7	Benzo(k)Fluoranthene	0.53	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0920	0-5.7	Dibenzo(a,h)Anthracene	0.299	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0920	0-5.7	Indeno(1,2,3-cd)Pyrene	1.54	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 8 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B435FSO001								
	MS0753	5.3-5.8	Benzo(a)Anthracene	0.166	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0753	5.3-5.8	Benzo(a)Pyrene	0.203	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0753	5.3-5.8	Benzo(b)Fluoranthene	0.209	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0753	5.3-5.8	Benzo(k)Fluoranthene	0.11	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0753	5.3-5.8	Dibenzo(a,h)Anthracene	0.021	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0753	5.3-5.8	Indeno(1,2,3-cd)Pyrene	0.253	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435FSO002								
	MS0754	5.3-5.8	Benzo(a)Anthracene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0754	5.3-5.8	Benzo(a)Pyrene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0754	5.3-5.8	Benzo(b)Fluoranthene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0754	5.3-5.8	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0754	5.3-5.8	Indeno(1,2,3-cd)Pyrene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435FSO004								
	MS0756/MS0757FD	0-5.3	Benzo(a)Anthracene	0.314*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0756/MS0757FD	0-5.3	Benzo(a)Pyrene	0.3125*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0756/MS0757FD	0-5.3	Benzo(b)Fluoranthene	0.301*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0756/MS0757FD	0-5.3	Benzo(k)Fluoranthene	0.161*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0756/MS0757FD	0-5.3	Dibenzo(a,h)Anthracene	0.0068*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0756/MS0757FD	0-5.3	Indeno(1,2,3-cd)Pyrene	0.2915*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B435FSO003								
	MS0919	0-5.3	Benzo(a)Anthracene	1.03	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0919	0-5.3	Benzo(a)Pyrene	1.17	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0919	0-5.3	Benzo(b)Fluoranthene	0.892	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0919	0-5.3	Benzo(k)Fluoranthene	0.501	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0919	0-5.3	Dibenzo(a,h)Anthracene	0.326	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0919	0-5.3	Indeno(1,2,3-cd)Pyrene	1.5	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B435GSO001								
	MS0728	4.6-5.1	Benzo(b)Fluoranthene	0.002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 9 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B435GSO004								
	MS0731/MS0732FD	0-4.9	Benzo(a)Anthracene	0.8365*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0731/MS0732FD	0-4.9	Benzo(a)Pyrene	0.886*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0731/MS0732FD	0-4.9	Benzo(b)Fluoranthene	0.7675*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0731/MS0732FD	0-4.9	Benzo(k)Fluoranthene	0.4075*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0731/MS0732FD	0-4.9	Dibenzo(a,h)Anthracene	0.285*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0731/MS0732FD	0-4.9	Indeno(1,2,3-cd)Pyrene	1.25*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B435GSO0R3								
	MS0917/MS0918FD	0-4.7	Benzo(a)Anthracene	1.62*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0917/MS0918FD	0-4.7	Benzo(a)Pyrene	1.76*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0917/MS0918FD	0-4.7	Benzo(b)Fluoranthene	1.429*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0917/MS0918FD	0-4.7	Benzo(k)Fluoranthene	0.8085*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0917/MS0918FD	0-4.7	Dibenzo(a,h)Anthracene	0.42*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0917/MS0918FD	0-4.7	Indeno(1,2,3-cd)Pyrene	1.805*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B435HTSO0R3								
	MS0916	0-4.2	Benzo(a)Anthracene	1.76	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0916	0-4.2	Benzo(a)Pyrene	2.11	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0916	0-4.2	Benzo(b)Fluoranthene	1.72	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0916	0-4.2	Benzo(k)Fluoranthene	0.991	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0916	0-4.2	Dibenzo(a,h)Anthracene	0.73	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0916	0-4.2	Indeno(1,2,3-cd)Pyrene	2.79	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B438ASO002								
	MS0771	4.2-4.7	Benzo(a)Anthracene	0.0007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438ASO004								
	MS0778	0-5.3	Benzo(a)Anthracene	0.021	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0778	0-5.3	Benzo(k)Fluoranthene	0.013	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0778	0-5.3	Dibenzo(a,h)Anthracene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438ASO005								
	MS0773	3.9-4.4	Benzo(a)Anthracene	0.0008	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 10 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B438ASO006								
	MS0901	6-6.5	Benzo(a)Anthracene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0901	6-6.5	Benzo(a)Pyrene	0.009	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0901	6-6.5	Benzo(b)Fluoranthene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0901	6-6.5	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0901	6-6.5	Dibenzo(a,h)Anthracene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0901	6-6.5	Indeno(1,2,3-cd)Pyrene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438BSO002								
	MS0775	5.3-5.8	Benzo(a)Anthracene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0775	5.3-5.8	Benzo(a)Pyrene	0.007	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0775	5.3-5.8	Benzo(b)Fluoranthene	0.008	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0775	5.3-5.8	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0775	5.3-5.8	Dibenzo(a,h)Anthracene	0.0005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0775	5.3-5.8	Indeno(1,2,3-cd)Pyrene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438BSO003								
	MS0776/MS0777FD	0-8.5	Benzo(a)Anthracene	0.6365*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0776/MS0777FD	0-8.5	Benzo(a)Pyrene	0.6125*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0776/MS0777FD	0-8.5	Benzo(b)Fluoranthene	0.5925*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0776/MS0777FD	0-8.5	Benzo(k)Fluoranthene	0.2995*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0776/MS0777FD	0-8.5	Dibenzo(a,h)Anthracene	0.0565*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0776/MS0777FD	0-8.5	Indeno(1,2,3-cd)Pyrene	0.5755*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438DSO003								
	MS0781	0-5.5	Benzo(a)Anthracene	0.041	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0781	0-5.5	Benzo(a)Pyrene	0.042	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0781	0-5.5	Benzo(b)Fluoranthene	0.042	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0781	0-5.5	Benzo(k)Fluoranthene	0.02	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0781	0-5.5	Dibenzo(a,h)Anthracene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0781	0-5.5	Indeno(1,2,3-cd)Pyrene	0.043	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438DSO004								
	MS0782	0-6.5	Benzo(a)Anthracene	0.283	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 11 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B438DSO004								
	MS0782	0-6.5	Benzo(a)Pyrene	0.259	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0782	0-6.5	Benzo(b)Fluoranthene	0.271	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0782	0-6.5	Benzo(k)Fluoranthene	0.136	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0782	0-6.5	Dibenzo(a,h)Anthracene	0.029	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0782	0-6.5	Indeno(1,2,3-cd)Pyrene	0.256	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438ESO001								
	MS0783	5.2-5.7	Benzo(a)Anthracene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0783	5.2-5.7	Benzo(a)Pyrene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0783	5.2-5.7	Benzo(b)Fluoranthene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0783	5.2-5.7	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0783	5.2-5.7	Indeno(1,2,3-cd)Pyrene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438ESO002								
	MS0784	5.4-5.9	Benzo(a)Anthracene	0.0002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438ESO003								
	MS0785/MS0786FD	0-6.5	Benzo(a)Anthracene	0.187*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0785/MS0786FD	0-6.5	Benzo(a)Pyrene	0.2*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0785/MS0786FD	0-6.5	Benzo(b)Fluoranthene	0.1735*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0785/MS0786FD	0-6.5	Benzo(k)Fluoranthene	0.0765*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0785/MS0786FD	0-6.5	Indeno(1,2,3-cd)Pyrene	0.158*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438FSO003								
	MS0787	0-9	Benzo(a)Anthracene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0787	0-9	Benzo(a)Pyrene	0.011	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0787	0-9	Benzo(b)Fluoranthene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0787	0-9	Benzo(k)Fluoranthene	0.005	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0787	0-9	Dibenzo(a,h)Anthracene	0.001	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0787	0-9	Indeno(1,2,3-cd)Pyrene	0.011	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438FSO004								
	MS0792	0-6.5	Benzo(a)Anthracene	0.365	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0792	0-6.5	Benzo(a)Pyrene	0.411	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 12 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B438FSO004								
	MS0792	0-6.5	Benzo(b)Fluoranthene	0.374	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0792	0-6.5	Benzo(k)Fluoranthene	0.177	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0792	0-6.5	Dibenzo(a,h)Anthracene	0.033	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0792	0-6.5	Indeno(1,2,3-cd)Pyrene	0.383	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438FSO005								
	MS0793	0-8.5	Benzo(a)Anthracene	1.05	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0793	0-8.5	Benzo(a)Pyrene	1.07	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0793	0-8.5	Benzo(b)Fluoranthene	1.01	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0793	0-8.5	Benzo(k)Fluoranthene	0.487	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0793	0-8.5	Dibenzo(a,h)Anthracene	0.113	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0793	0-8.5	Indeno(1,2,3-cd)Pyrene	1.02	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B438GSO003								
	MS0762	0-4.9	Benzo(a)Anthracene	0.21	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0762	0-4.9	Benzo(a)Pyrene	0.211	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0762	0-4.9	Benzo(b)Fluoranthene	0.194	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0762	0-4.9	Benzo(k)Fluoranthene	0.106	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0762	0-4.9	Indeno(1,2,3-cd)Pyrene	0.201	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B438GSO004								
	MS0763	0-3.9	Benzo(a)Anthracene	0.061	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0763	0-3.9	Benzo(a)Pyrene	0.06	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0763	0-3.9	Benzo(b)Fluoranthene	0.06	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0763	0-3.9	Benzo(k)Fluoranthene	0.031	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0763	0-3.9	Dibenzo(a,h)Anthracene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0763	0-3.9	Indeno(1,2,3-cd)Pyrene	0.057	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B43SB01								
	NP2SB*62/PB2SB*117	12	Anthracene	0.02*	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*62/PB2SB*117	12	Benzo(a)pyrene	0.00098*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*62/PB2SB*117	12	Benzo(b)fluoranthene	0.00279*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*62/PB2SB*117	12	Chrysene	0.0116*	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 13 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B43SB01								
	NP2SB*62/PB2SB*117	12	Fluoranthene	0.00945*	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*62/PB2SB*117	12	Phenanthrene	0.0933*	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
B43SB02								
	NP2SB*65	11	Bis(2-ethylhexyl)phthalat	0.25	3.2e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*64	8.00	Benzo(b)fluoranthene	0.00157	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*64	8.00	Bis(2-ethylhexyl)phthalat	0.21	3.2e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*64	8.00	Chrysene	0.0089	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
B43SB03								
	NP2SB*67	7	Anthracene	0.0697	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*67	7	Benzo(b)fluoranthene	0.00286	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*67	7	Chrysene	0.0135	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*67	7	Fluoranthene	0.00489	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*67	7	Phenanthrene	0.0986	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*67	7	Pyrene	0.0103	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*68	9	Anthracene	0.018	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*68	9	Benzo(b)fluoranthene	0.00348	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*68	9	Bis(2-ethylhexyl)phthalat	2	3.2e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*68	9	Chrysene	0.0122	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*68	9	Fluoranthene	0.00968	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*68	9	Phenanthrene	0.131	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
B43SB07								
	P2SB*130	8.50	Benzo(a)pyrene	0.00113	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	P2SB*130	8.50	Fluoranthene	0.0022	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
B43SB08								
	P2SB*132	0	1-Methylnaphthalene	1.81	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	P2SB*132	0	2-Methylnaphthalene	3.88	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	P2SB*132	0	Acenaphthene	2.85	2.9e+03	TACO	Pass	TACO Table A - Class II
	P2SB*132	0	Acenaphthylene	0.589	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	P2SB*132	0	Anthracene	2.6	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-3. Results of B43 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 14 of 14

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B43SB08								
	P2SB*132	0	Benzo(a)anthracene	1	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Benzo(a)pyrene	1.1	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Benzo(b)fluoranthene	1	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Benzo(g,h,i)perylene	1.6	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	P2SB*132	0	Benzo(k)fluoranthene	1	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Chrysene	1.2	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Fluoranthene	2	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Fluorene	0.202	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Indeno(1,2,3-cd)pyrene	0.73	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	P2SB*132	0	Naphthalene	2.11	4.2e+02	TACO	Pass	TACO Table A - Class II
	P2SB*132	0	Phenanthrene	0.9	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	P2SB*132	0	Pyrene	2	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96

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PRG = Preliminary Remediation Goal

mg/kg = Milligrams per kilogram

* = Value is averaged with duplicate

Source: QST

n:\data\4902087\4b\SurplusOU2\pbl.table_3-3 (FinalRBS.dbf)

Table 3-4. B43 Carcinogenic Risk, Surplus OU Soil Removal, Fort Sheridan, Illinois

Constituent	UCL or Maximum Concentration Detected (mg/kg)	Carcinogenic Screening Value (mg/kg)	Individual Carcinogenic Risk
Benzo(a)anthracene	2.77	0.60866	5e-06
Benzo(a)pyrene	2.76	0.06086	5e-05
Benzo(b)fluoranthene	2.24	0.60866	4e-06
Dibenzo(a,h)anthracene	0.164*	0.06086	3e-06
Indeno(1,2,3-cd)pyrene	3.61	0.60866	6e-06
Cumulative Risk			6e-05

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UCL = Upper Confidence Limit of mean concentration

mg/kg = Milligrams per kilogram

* = Value listed is the UCL for the constituent

Source: QST

**Table 3-5. Results of CSA3 Soil Removal Sample Inorganics Background Screening, Surplus OU,
Fort Sheridan, Illinois - Page 1 of 4**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CHRDSB18						
	MS0539	0-0.5	Beryllium	0.637	1.65	Pass
	MS0539	0-0.5	Chromium	13.2	22.5	Pass
	MS0539	0-0.5	Lead	49.8	56.7	Pass
	MS0540	1-3	Arsenic	9.63	7.85	Fail
	MS0540	1-3	Beryllium	0.693	1.11	Pass
	MS0540	1-3	Chromium	14.7	20	Pass
	MS0540	1-3	Lead	57.3	14.1	Fail
CHRDSB19						
	MS0533	0-0.5	Beryllium	0.266	1.65	Pass
	MS0533	0-0.5	Chromium	6.8	22.5	Pass
	MS0533	0-0.5	Lead	25.3	56.7	Pass
	MS0534	1-3	Lead	11.2	14.1	Pass
	MS0535	3-5	Beryllium	0.394	1.11	Pass
	MS0535	3-5	Chromium	10.4	20	Pass
	MS0535	3-5	Lead	11.7	14.1	Pass
CHRDSB20						
	MS0537	0-0.5	Beryllium	0.53	1.65	Pass
	MS0537	0-0.5	Chromium	7.28	22.5	Pass
	MS0537	0-0.5	Lead	11.1	56.7	Pass
CHRDSB21						
	MS0541	0-0.5	Lead	8.06	56.7	Pass
	MS0542	1-3	Beryllium	0.608	1.11	Pass
	MS0542	1-3	Chromium	15.4	20	Pass
	MS0542	1-3	Lead	23.5	14.1	Fail
CHRDSB22						
	MS0543	0-0.5	Beryllium	0.495	1.65	Pass
	MS0543	0-0.5	Chromium	12.7	22.5	Pass
	MS0543	0-0.5	Lead	20.6	56.7	Pass
	MS0544	1-3	Beryllium	0.682	1.11	Pass
	MS0544	1-3	Chromium	12.8	20	Pass
	MS0544	1-3	Lead	14.7	14.1	Fail
CSA3SB01						
	NP2SB*35/P2SB*115	12.5	Aluminum	9805*	12415	Pass
	NP2SB*35/P2SB*115	12.5	Arsenic	9.2*	7.85	Fail
	NP2SB*35/P2SB*115	12.5	Beryllium	0.4785*	1.11	Pass
	NP2SB*35/P2SB*115	12.5	Chromium	16.7*	20	Pass
	NP2SB*35/P2SB*115	12.5	Cobalt	10.795*	16.3	Pass
	NP2SB*35/P2SB*115	12.5	Copper	19*	24.5	Pass
	NP2SB*35/P2SB*115	12.5	Lead	14.3*	14.1	Fail
	NP2SB*35/P2SB*115	12.5	Manganese	567*	896	Pass
	NP2SB*35/P2SB*115	12.5	Nickel	25.8*	37.3	Pass
	NP2SB*35/P2SB*115	12.5	Thallium	0.6615*	1.04	Pass
	NP2SB*35/P2SB*115	12.5	Vanadium	21*	25.9	Pass
	NP2SB*35/P2SB*115	12.5	Zinc	43.9*	172	Pass
CSA3SB02						
	NP2SB*38	12.5	Aluminum	10900	12415	Pass
	NP2SB*38	12.5	Arsenic	5.2	7.85	Pass
	NP2SB*38	12.5	Beryllium	0.394	1.11	Pass
	NP2SB*38	12.5	Chromium	18.1	20	Pass
	NP2SB*38	12.5	Cobalt	8.09	16.3	Pass
	NP2SB*38	12.5	Copper	20.5	24.5	Pass
	NP2SB*38	12.5	Lead	9.48	14.1	Pass
	NP2SB*38	12.5	Manganese	409	896	Pass

**Table 3-5. Results of CSA3 Soil Removal Sample Inorganics Background Screening, Surplus OU,
Fort Sheridan, Illinois - Page 2 of 4**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CSA3SB02						
	NP2SB*38	12.5	Nickel	22.2	37.3	Pass
	NP2SB*38	12.5	Thallium	0.387	1.04	Pass
	NP2SB*38	12.5	Vanadium	23.6	25.9	Pass
	NP2SB*38	12.5	Zinc	48.5	172	Pass
CSA3SB03						
	NP2SB*41	13.5	Aluminum	11600	12415	Pass
	NP2SB*41	13.5	Arsenic	6.5	7.85	Pass
	NP2SB*41	13.5	Beryllium	0.446	1.11	Pass
	NP2SB*41	13.5	Chromium	18.9	20	Pass
	NP2SB*41	13.5	Cobalt	8.9	16.3	Pass
	NP2SB*41	13.5	Copper	21.9	24.5	Pass
	NP2SB*41	13.5	Lead	9	14.1	Pass
	NP2SB*41	13.5	Manganese	545	896	Pass
	NP2SB*41	13.5	Nickel	25.3	37.3	Pass
	NP2SB*41	13.5	Thallium	0.486	1.04	Pass
	NP2SB*41	13.5	Vanadium	24.2	25.9	Pass
	NP2SB*41	13.5	Zinc	53.1	172	Pass
CSA3SB04						
	NP2SB*44	13	Aluminum	11700	12415	Pass
	NP2SB*44	13	Arsenic	4.31	7.85	Pass
	NP2SB*44	13	Barium	52.8	69.5	Pass
	NP2SB*44	13	Beryllium	0.568	1.11	Pass
	NP2SB*44	13	Chromium	18.2	20	Pass
	NP2SB*44	13	Cobalt	13.9	16.3	Pass
	NP2SB*44	13	Copper	26.9	24.5	Fail
	NP2SB*44	13	Lead	33.6	14.1	Fail
	NP2SB*44	13	Manganese	432	896	Pass
	NP2SB*44	13	Nickel	25.4	37.3	Pass
	NP2SB*44	13	Selenium	0.412	DL	Fail
	NP2SB*44	13	Thallium	0.311	1.04	Pass
	NP2SB*44	13	Vanadium	24.9	25.9	Pass
	NP2SB*44	13	Zinc	63.4	172	Pass
CSA3SB05						
	NP2SB*47/P2SB*116	12	Aluminum	9675*	12415	Pass
	NP2SB*47/P2SB*116	12	Arsenic	5.005*	7.85	Pass
	NP2SB*47/P2SB*116	12	Beryllium	0.5195*	1.11	Pass
	NP2SB*47/P2SB*116	12	Chromium	17.5*	20	Pass
	NP2SB*47/P2SB*116	12	Cobalt	8.71*	16.3	Pass
	NP2SB*47/P2SB*116	12	Copper	23.2*	24.5	Pass
	NP2SB*47/P2SB*116	12	Lead	9.91*	14.1	Pass
	NP2SB*47/P2SB*116	12	Manganese	452.5*	896	Pass
	NP2SB*47/P2SB*116	12	Nickel	24.15*	37.3	Pass
	NP2SB*47/P2SB*116	12	Silver	0.645*	DL	Fail
	NP2SB*47/P2SB*116	12	Thallium	0.595*	1.04	Pass
	NP2SB*47/P2SB*116	12	Vanadium	21.85*	25.9	Pass
	NP2SB*47/P2SB*116	12	Zinc	48.05*	172	Pass
CSA3SB06						
	NP2SB*49	1.5	Aluminum	19500	12415	Fail
	NP2SB*49	1.5	Arsenic	8.35	7.85	Fail
	NP2SB*49	1.5	Barium	96.1	69.5	Fail
	NP2SB*49	1.5	Beryllium	0.985	1.11	Pass
	NP2SB*49	1.5	Chromium	30.5	20	Fail
	NP2SB*49	1.5	Cobalt	13.3	16.3	Pass

**Table 3-5. Results of CSA3 Soil Removal Sample Inorganics Background Screening, Surplus OU,
Fort Sheridan, Illinois - Page 3 of 4**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CSA3SB06						
	NP2SB*49	1.5	Copper	33.4	24.5	Fail
	NP2SB*49	1.5	Lead	16	14.1	Fail
	NP2SB*49	1.5	Manganese	572	896	Pass
	NP2SB*49	1.5	Nickel	44.9	37.3	Fail
	NP2SB*49	1.5	Thallium	0.418	1.04	Pass
	NP2SB*49	1.5	Vanadium	39.3	25.9	Fail
	NP2SB*49	1.5	Zinc	101	172	Pass
	NP2SB*50	12.5	Aluminum	8460	12415	Pass
	NP2SB*50	12.5	Arsenic	5.01	7.85	Pass
	NP2SB*50	12.5	Beryllium	0.373	1.11	Pass
	NP2SB*50	12.5	Chromium	14.7	20	Pass
	NP2SB*50	12.5	Cobalt	6.26	16.3	Pass
	NP2SB*50	12.5	Copper	19	24.5	Pass
	NP2SB*50	12.5	Lead	9.4	14.1	Pass
	NP2SB*50	12.5	Manganese	419	896	Pass
	NP2SB*50	12.5	Nickel	20.7	37.3	Pass
	NP2SB*50	12.5	Thallium	0.328	1.04	Pass
	NP2SB*50	12.5	Vanadium	18.4	25.9	Pass
	NP2SB*50	12.5	Zinc	55.1	172	Pass
CSA3SB07						
	NP2SB*51	0	Aluminum	12100	14413	Pass
	NP2SB*51	0	Arsenic	5.64	8.96	Pass
	NP2SB*51	0	Barium	58.5	1231	Pass
	NP2SB*51	0	Beryllium	0.632	1.65	Pass
	NP2SB*51	0	Chromium	18.9	22.5	Pass
	NP2SB*51	0	Cobalt	10.9	19.3	Pass
	NP2SB*51	0	Copper	21.5	25.7	Pass
	NP2SB*51	0	Lead	33.9	56.7	Pass
	NP2SB*51	0	Manganese	551	3490	Pass
	NP2SB*51	0	Nickel	26.5	37	Pass
	NP2SB*51	0	Thallium	0.334	0.57	Pass
	NP2SB*51	0	Vanadium	27.6	40.7	Pass
	NP2SB*51	0	Zinc	79.6	109	Pass
	NP2SB*53	13.5	Aluminum	11200	12415	Pass
	NP2SB*53	13.5	Arsenic	5.03	7.85	Pass
	NP2SB*53	13.5	Beryllium	0.53	1.11	Pass
	NP2SB*53	13.5	Chromium	18.4	20	Pass
	NP2SB*53	13.5	Cobalt	9.25	16.3	Pass
	NP2SB*53	13.5	Copper	22.3	24.5	Pass
	NP2SB*53	13.5	Lead	8.72	14.1	Pass
	NP2SB*53	13.5	Manganese	455	896	Pass
	NP2SB*53	13.5	Nickel	24.6	37.3	Pass
	NP2SB*53	13.5	Thallium	0.378	1.04	Pass
	NP2SB*53	13.5	Vanadium	24	25.9	Pass
	NP2SB*53	13.5	Zinc	58.7	172	Pass
	NP2SB*52	3.5	Aluminum	11500	12415	Pass
	NP2SB*52	3.5	Arsenic	5.86	7.85	Pass
	NP2SB*52	3.5	Barium	57.4	69.5	Pass
	NP2SB*52	3.5	Beryllium	0.673	1.11	Pass
	NP2SB*52	3.5	Chromium	18.1	20	Pass
	NP2SB*52	3.5	Cobalt	11.4	16.3	Pass
	NP2SB*52	3.5	Copper	26.2	24.5	Fail
	NP2SB*52	3.5	Lead	34	14.1	Fail

**Table 3-5. Results of CSA3 Soil Removal Sample Inorganics Background Screening, Surplus OU,
Fort Sheridan, Illinois - Page 4 of 4**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CSA3SB07						
	NP2SB*52	3.5	Manganese	521	896	Pass
	NP2SB*52	3.5	Nickel	26.8	37.3	Pass
	NP2SB*52	3.5	Thallium	0.412	1.04	Pass
	NP2SB*52	3.5	Vanadium	26.1	25.9	Fail
	NP2SB*52	3.5	Zinc	68.7	172	Pass
CSA3TP2						
	TSHS4*12	7	Aluminum	15000	12415	Fail
	TSHS4*12	7	Antimony	9.88	DL	Fail
	TSHS4*12	7	Arsenic	8.1	7.85	Fail
	TSHS4*12	7	Barium	89.9	69.5	Fail
	TSHS4*12	7	Lead	13	14.1	Pass
	TSHS4*12	7	Manganese	800	896	Pass
	TSHS4*12	7	Nickel	47.3	37.3	Fail
	TSHS4*12	7	Vanadium	43.3	25.9	Fail
	TSHS4*12	7	Zinc	105	172	Pass

n:\data\4902087\db\srplsou2\SurplusOU2.pblTable 3-5 (RemovUTL.dbf)

UTL = Upper Tolerance Level

DL = Detection Limit

mg/kg = Milligrams per kilogram

* = Value is averaged with duplicate

Source: QST

Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 1 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRD5B18								
	MS0539	0-0.5	1-Methylnaphthalene	0.368	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	2-Methylnaphthalene	1.24	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0539	0-0.5	Acenaphthene	0.546	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0539	0-0.5	Acenaphthylene	0.515	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0539	0-0.5	Anthracene	0.484	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Benzo(a)Anthracene	1.53	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Benzo(a)Pyrene	1.45	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Benzo(b)Fluoranthene	1.23	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Benzo(g,h,i)Perylene	1.77	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0539	0-0.5	Benzo(k)Fluoranthene	0.648	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Dibenzo(a,h)Anthracene	0.117	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Fluoranthene	2.83	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Indeno(1,2,3-cd)Pyrene	1.05	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0539	0-0.5	Naphthalene	1.55	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0539	0-0.5	Phenanthrene	1.14	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0539	0-0.5	Pyrene	8.88	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	1-Methylnaphthalene	0.386	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	2-Methylnaphthalene	2.18	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Acenaphthene	1.12	2.9e+03	TACO	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0540	1-3	Acenaphthylene	0.645	2.0e+03	PRG	Pass	TACO Table A - Class II
	MS0540	1-3	Anthracene	1.53	1.9e+04	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0540	1-3	Arsenic	9.63	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Benzo(a)Anthracene	2.78	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Benzo(a)Pyrene	2.84	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Benzo(b)Fluoranthene	2.06	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Benzo(g,h,i)Perylene	3.98	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0540	1-3	Benzo(k)Fluoranthene	1.2	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Chrysene	0.012	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Dibenzo(a,h)Anthracene	0.285	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Fluoranthene	6.09	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Screening, Surplus OU, Fort Sheridan, Illinois - Page 2 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRD5B18								
	MS0540	1-3	Fluorene	0.948	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Indeno(1,2,3-cd)Pyrene	1.6	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0540	1-3	Lead	57.3	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0540	1-3	Naphthalene	2.98	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0540	1-3	Phenanthrene	4.86	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0540	1-3	Pyrene	17.5	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRD5B19								
	MS0533	0-0.5	1-Methylnaphthalene	0.323	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	2-Methylnaphthalene	1.22	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0533	0-0.5	Acenaphthene	0.505	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0533	0-0.5	Acenaphthylene	0.456	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0533	0-0.5	Anthracene	1.01	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Benzo(a)Anthracene	1.44	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Benzo(a)Pyrene	1.33	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Benzo(b)Fluoranthene	1.04	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Benzo(g,h,i)Perylene	1.04	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0533	0-0.5	Benzo(k)Fluoranthene	0.558	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Chrysene	0.241	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Dibenzo(a,h)Anthracene	0.098	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Fluoranthene	2.83	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Fluorene	0.159	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Indeno(1,2,3-cd)Pyrene	0.695	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0533	0-0.5	Naphthalene	1.22	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0533	0-0.5	Phenanthrene	0.699	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0533	0-0.5	Pyrene	5.06	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	1-Methylnaphthalene	0.587	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	2-Methylnaphthalene	0.649	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0534	1-3	Acenaphthylene	0.332	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0534	1-3	Anthracene	0.403	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Benzo(a)Anthracene	0.051	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 3 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSEB19								
	MS0534	1-3	Benzo(a)Pyrene	0.06	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Benzo(b)Fluoranthene	0.055	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Benzo(g,h,i)Perylene	0.052	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0534	1-3	Benzo(k)Fluoranthene	0.028	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Chrysene	0.123	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Dibenzo(a,h)Anthracene	0.014	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Fluoranthene	0.116	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Indeno(1,2,3-cd)Pyrene	0.018	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0534	1-3	Naphthalene	0.508	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0534	1-3	Pyrene	0.282	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	1-Methylnaphthalene	0.133	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	2-Methylnaphthalene	0.664	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0535	3-5	Acenaphthene	0.456	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0535	3-5	Acenaphthylene	0.226	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0535	3-5	Anthracene	0.251	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Benzo(a)Anthracene	1.32	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Benzo(a)Pyrene	1.15	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Benzo(b)Fluoranthene	0.908	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Benzo(g,h,i)Perylene	1.2	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0535	3-5	Benzo(k)Fluoranthene	0.481	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Dibenzo(a,h)Anthracene	0.076	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Fluoranthene	2.83	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Fluorene	0.143	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Indeno(1,2,3-cd)Pyrene	0.752	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0535	3-5	Naphthalene	1.33	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0535	3-5	Phenanthrene	1.54	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0535	3-5	Pyrene	7.56	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0536	6-8	Indeno(1,2,3-cd)Pyrene	0.021	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRDSEB20								
	MS0537	0-0.5	1-Methylnaphthalene	0.181	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 4 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRD5B20								
	MS0537	0-0.5	2-Methylnaphthalene	0.508	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0537	0-0.5	Acenaphthene	0.291	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0537	0-0.5	Acenaphthylene	0.273	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0537	0-0.5	Anthracene	0.276	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Benzo(a)Anthracene	1.08	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Benzo(a)Pyrene	1.04	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Benzo(b)Fluoranthene	0.745	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Benzo(g,h,i)Perylene	1.29	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0537	0-0.5	Benzo(k)Fluoranthene	0.395	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Dibenzo(a,h)Anthracene	0.05	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Fluoranthene	2.02	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Indeno(1,2,3-cd)Pyrene	0.592	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0537	0-0.5	Naphthalene	0.9	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0537	0-0.5	Phenanthrene	0.997	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0537	0-0.5	Pyrene	5.66	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	1-Methylnaphthalene	0.5	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	2-Methylnaphthalene	1.28	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0538	1-3	Acenaphthene	0.468	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0538	1-3	Acenaphthylene	0.871	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0538	1-3	Anthracene	1.26	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Benzo(a)Anthracene	2.19	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Benzo(a)Pyrene	1.89	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Benzo(b)Fluoranthene	1.59	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Benzo(g,h,i)Perylene	2.43	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0538	1-3	Benzo(k)Fluoranthene	0.825	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Dibenzo(a,h)Anthracene	0.099	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Fluoranthene	4.61	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Indeno(1,2,3-cd)Pyrene	1.25	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0538	1-3	Naphthalene	2.14	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0538	1-3	Phenanthrene	2.32	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 5 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRD5B20								
	MS0538	1-3	Pyrene	12.8	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRD5B21								
	MS0541	0-0.5	1-Methylnaphthalene	0.09	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	2-Methylnaphthalene	0.197	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0541	0-0.5	Acenaphthylene	0.056	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0541	0-0.5	Anthracene	0.485	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Benzo(a)Anthracene	0.122	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Benzo(a)Pyrene	0.111	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Benzo(b)Fluoranthene	0.108	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Benzo(g,h,i)Perylene	0.123	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0541	0-0.5	Benzo(k)Fluoranthene	0.059	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Chrysene	0.03	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Dibenz(a,h)Anthracene	0.012	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Fluoranthene	0.242	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Indeno(1,2,3-cd)Pyrene	0.108	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0541	0-0.5	Naphthalene	0.157	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0541	0-0.5	Phenanthrene	0.107	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0541	0-0.5	Pyrene	0.722	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	1-Methylnaphthalene	0.202	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	2-Methylnaphthalene	0.65	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0542	1-3	Acenaphthene	0.141	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0542	1-3	Acenaphthylene	0.264	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0542	1-3	Anthracene	0.106	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Benzo(a)Anthracene	0.835	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Benzo(a)Pyrene	0.853	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Benzo(b)Fluoranthene	0.586	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Benzo(g,h,i)Perylene	0.534	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0542	1-3	Benzo(k)Fluoranthene	0.316	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Dibenzo(a,h)Anthracene	0.062	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Fluoranthene	1.49	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 6 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSEB21								
	MS0542	1-3	Fluorene	0.068	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Indeno(1,2,3-cd)Pyrene	0.443	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0542	1-3	Lead	23.5	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0542	1-3	Naphthalene	0.66	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0542	1-3	Phenanthrene	0.758	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0542	1-3	Pyrene	3.34	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRDSEB22								
	MS0543	0-0.5	1-Methylnaphthalene	1.61	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	2-Methylnaphthalene	3.43	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0543	0-0.5	Acenaphthene	0.297	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0543	0-0.5	Acenaphthylene	1.81	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0543	0-0.5	Anthracene	2.78	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Benzo(a)Anthracene	1.19	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Benzo(a)Pyrene	1.05	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Benzo(b)Fluoranthene	0.874	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Benzo(g,h,i)Perylene	1.31	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0543	0-0.5	Benzo(k)Fluoranthene	0.44	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Chrysene	0.572	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Dibenzo(a,h)Anthracene	0.064	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Fluoranthene	2.2	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Fluorene	0.217	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Indeno(1,2,3-cd)Pyrene	0.654	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0543	0-0.5	Naphthalene	2.42	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0543	0-0.5	Phenanthrene	2.08	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0543	0-0.5	Pyrene	6.68	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	1-Methylnaphthalene	1.32	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	2-Methylnaphthalene	4.72	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0544	1-3	Acenaphthene	0.396	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0544	1-3	Acenaphthylene	2.63	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0544	1-3	Benzo(a)Pyrene	0.783	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 7 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSE22								
	MS0544	1-3	Benzo(b)fluoranthene	0.686	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Benzo(g,h,i)perylene	0.968	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0544	1-3	Benzo(k)fluoranthene	0.33	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Chrysene	1.42	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Dibenzo(a,h)anthracene	0.128	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Fluoranthene	1.54	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Fluorene	0.454	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Indeno(1,2,3-cd)pyrene	0.484	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0544	1-3	Lead	14.7	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0544	1-3	Naphthalene	2.53	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0544	1-3	Phenanthrene	1.04	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0544	1-3	Pyrene	5.01	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA3SB01								
	NP2SB*35/P2SB*115	12.5	Arsenic	9.2*	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Benzo(a)anthracene	0.00189*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Benzo(a)pyrene	0.00228*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Benzo(b)fluoranthene	0.00331*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Benzo(g,h,i)perylene	0.00867*	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*35/P2SB*115	12.5	Benzo(k)fluoranthene	0.0014*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Chrysene	0.01378*	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Fluoranthene	0.00377*	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Indeno(1,2,3-cd)pyrene	0.0041*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*35/P2SB*115	12.5	Lead	14.3*	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	NP2SB*35/P2SB*115	12.5	Phenanthrene	0.0526*	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
CSA3SB02								
	NP2SB*38	12.5	Benzo(b)fluoranthene	0.00439	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*38	12.5	Chrysene	0.0293	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*38	12.5	Fluoranthene	0.0105	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*38	12.5	Phenanthrene	0.12	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 8 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA3SB03								
	NP2SB*41	13.5	Anthracene	0.0173	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*41	13.5	Benzo(a)anthracene	0.0139	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*41	13.5	Benzo(a)pyrene	0.0158	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*41	13.5	Benzo(b)fluoranthene	0.0163	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*41	13.5	Benzo(g,h,i)perylene	0.0184	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*41	13.5	Benzo(k)fluoranthene	0.00825	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*41	13.5	Fluoranthene	0.0326	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*41	13.5	Indeno(1,2,3-cd)pyrene	0.0189	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA3SB04								
	NP2SB*44	13	Anthracene	0.0289	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Benzo(a)anthracene	0.019	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Benzo(a)pyrene	0.018	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Benzo(b)fluoranthene	0.019	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Benzo(g,h,i)perylene	0.0236	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*44	13	Benzo(k)fluoranthene	0.01	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Chrysene	0.0178	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Copper	26.9	3.3e+05	TACO	Pass	TACO Table D
	NP2SB*44	13	Fluoranthene	0.048	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Lead	33.6	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	NP2SB*44	13	Pyrene	0.0999	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*44	13	Selenium	0.412	2.4e+00	TACO	Pass	TACO Table D
CSA3SB05								
	NP2SB*47/P2SB*116	12	Anthracene	0.0652*	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Benzo(a)anthracene	0.00583*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Benzo(a)pyrene	0.00395*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Benzo(b)fluoranthene	0.00819*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Benzo(k)fluoranthene	0.00173*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Chrysene	0.04975*	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Fluoranthene	0.0187*	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Phenanthrene	0.1695*	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)

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Table 3-6. Results of CSA3 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 9 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA3SB05								
	NP2SB*47/P2SB*116	12	Pyrene	0.02385*	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*47/P2SB*116	12	Silver	0.645*	3.8e+02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA3SB06								
	NP2SB*49	1.5	Aluminum	19500	7.7e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Anthracene	0.0415	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Arsenic	8.35	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Barium	96.1	2.1e+03	TACO	Pass	TACO Table D
	NP2SB*49	1.5	Benzo(a)pyrene	0.03	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Benzo(g,h,i)perylene	0.0387	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*49	1.5	Chromium	30.5	2.0e+01	TACO	Fail	TACO 20 * TCLP
	NP2SB*49	1.5	Chrysene	0.0375	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Copper	33.4	3.3e+05	TACO	Pass	TACO Table D
	NP2SB*49	1.5	Dibenzo(a,h)anthracene	0.00678	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Fluoranthene	0.052	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Lead	16	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	NP2SB*49	1.5	Nickel	44.9	1.6e+03	TACO	Pass	ingestion (SSLs, 5/96, App.
	NP2SB*49	1.5	Pyrene	0.0966	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*49	1.5	Vanadium	39.3	5.4e+02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*50	12.5	Acenaphthene	0.309	2.9e+03	TACO	Pass	TACO Table A - Class II
	NP2SB*50	12.5	Anthracene	0.0538	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*50	12.5	Benzo(b)fluoranthene	0.00554	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*50	12.5	Chrysene	0.0322	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*50	12.5	Fluoranthene	0.00249	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*50	12.5	Phenanthrene	0.0666	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*50	12.5	Pyrene	0.0108	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA3SB07								
	NP2SB*51	0	1-Methylnaphthalene	0.47	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*51	0	2-Methylnaphthalene	2.36	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*51	0	Acenaphthene	4.5	2.9e+03	TACO	Pass	TACO Table A - Class II
	NP2SB*51	0	Acenaphthylene	0.202	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 10 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA3SB07								
	NP2SB*51	0	Anthracene	2.5	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Benzo(a)anthracene	0.73	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Benzo(a)pyrene	0.72	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Benzo(b)fluoranthene	0.73	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Benzo(k)fluoranthene	0.4	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Chrysene	1.3	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Dibenzo(a,h)anthracene	0.13	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Fluoranthene	1.8	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Fluorene	0.297	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*51	0	Naphthalene	1.56	4.2e+02	TACO	Pass	TACO Table A - Class II
	NP2SB*51	0	Phenanthrene	1.4	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*51	0	Pyrene	2.3	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*53	13.5	Benzo(b)fluoranthene	0.00278	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*53	13.5	Pyrene	0.013	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	1-Methylnaphthalene	0.495	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*52	3.5	2-Methylnaphthalene	2.06	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*52	3.5	Acenaphthene	3.91	2.9e+03	TACO	Pass	TACO Table A - Class II
	NP2SB*52	3.5	Acenaphthylene	0.166	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*52	3.5	Anthracene	1.5	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Benzo(a)anthracene	0.66	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Benzo(a)pyrene	0.66	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Benzo(b)fluoranthene	0.65	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Benzo(g,h,i)perylene	0.68	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	NP2SB*52	3.5	Benzo(k)fluoranthene	0.34	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Chrysene	0.89	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Copper	26.2	3.3e+05	TACO	Pass	TACO Table D
	NP2SB*52	3.5	Fluoranthene	1.5	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Fluorene	0.31	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Indeno(1,2,3-cd)pyrene	1.5	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Lead	34	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 11 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA3SB07								
	NP2SB*52	3.5	Naphthalene	1.25	4.2e+02	TACO	Pass	TACO Table A - Class II
	NP2SB*52	3.5	Pyrene	2.3	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SB*52	3.5	Vanadium	26.1	5.4e+02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA3S1ab01								
	MS0872	2.5-3.2	Benzo(a)Anthracene	0.11	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0872	2.5-3.2	Benzo(a)Pyrene	0.118	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0872	2.5-3.2	Benzo(b)Fluoranthene	0.096	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0872	2.5-3.2	Benzo(k)Fluoranthene	0.055	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0872	2.5-3.2	Dibenzo(a,h)Anthracene	0.033	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0872	2.5-3.2	Indeno(1,2,3-cd)Pyrene	0.153	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA3TP2								
	TSHS4*12	7	Aluminum	15000	7.7e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Anthracene	0.1	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Antimony	9.88	2.0e+01	TACO	Pass	TACO Table D
	TSHS4*12	7	Arsenic	8.1	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Barium	89.9	2.1e+03	TACO	Pass	TACO Table D
	TSHS4*12	7	Benzo(a)anthracene	0.22	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Benzo(k)fluoranthene	0.16	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Chrysene	0.36	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Fluoranthene	0.63	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Nickel	47.3	1.6e+03	TACO	Pass	ingestion (SSLs, 5/96, App.
	TSHS4*12	7	Phenanthrene	0.3	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	TSHS4*12	7	Pyrene	0.52	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	TSHS4*12	7	Vanadium	43.3	5.4e+02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6ASO001								
	MS0873	5.6-6.1	Benzo(a)Anthracene	0.023	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0873	5.6-6.1	Benzo(a)Pyrene	0.022	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0873	5.6-6.1	Benzo(b)Fluoranthene	0.018	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0873	5.6-6.1	Benzo(k)Fluoranthene	0.011	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0873	5.6-6.1	Dibenzo(a,h)Anthracene	0.008	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 12 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA6ASO001								
	MS0873	5.6-6.1	Indeno(1,2,3-cd)Pyrene	0.03	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6ASO004								
	MS0876/MS0877FD	0-5.7	Benzo(a)Anthracene	1.2565*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0876/MS0877FD	0-5.7	Benzo(a)Pyrene	1.256*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0876/MS0877FD	0-5.7	Benzo(b)Fluoranthene	0.972*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0876/MS0877FD	0-5.7	Benzo(k)Fluoranthene	0.5585*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0876/MS0877FD	0-5.7	Dibenzo(a,h)Anthracene	0.3795*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0876/MS0877FD	0-5.7	Indeno(1,2,3-cd)Pyrene	1.53*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA6BSO001								
	MS0879	3.9-4.4	Benzo(a)Anthracene	0.002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6CSO001								
	MS0884	4.7-5.2	Benzo(a)Anthracene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0884	4.7-5.2	Dibenzo(a,h)Anthracene	0.0007	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0884	4.7-5.2	Indeno(1,2,3-cd)Pyrene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6CSO002								
	MS0885	4.8-5.3	Benzo(a)Anthracene	0.082	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0885	4.8-5.3	Benzo(a)Pyrene	0.073	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0885	4.8-5.3	Benzo(b)Fluoranthene	0.065	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0885	4.8-5.3	Benzo(k)Fluoranthene	0.035	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0885	4.8-5.3	Dibenzo(a,h)Anthracene	0.018	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0885	4.8-5.3	Indeno(1,2,3-cd)Pyrene	0.087	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6CSO004								
	JD1080	4.8-5.3	Benzo(a)Anthracene	0.0009	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1080	4.8-5.3	Benzo(a)Pyrene	0.0008	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1080	4.8-5.3	Benzo(b)Fluoranthene	0.0009	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1080	4.8-5.3	Benzo(k)Fluoranthene	0.0004	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1080	4.8-5.3	Indeno(1,2,3-cd)Pyrene	0.001	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6ESO003								
	MS0889	0-5	Benzo(a)Anthracene	1.23	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0889	0-5	Benzo(a)Pyrene	1.26	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 13 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA6ESO003								
	MS0889	0-5	Benzo(b)Fluoranthene	0.992	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0889	0-5	Benzo(k)Fluoranthene	0.564	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0889	0-5	Dibenzo(a,h)Anthracene	0.355	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0889	0-5	Indeno(1,2,3-cd)Pyrene	1.73	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA6FSO002								
	MS0891	6.5-7	Benzo(a)Anthracene	0.018	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0891	6.5-7	Benzo(a)Pyrene	0.019	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0891	6.5-7	Benzo(b)Fluoranthene	0.016	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0891	6.5-7	Benzo(k)Fluoranthene	0.01	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0891	6.5-7	Dibenzo(a,h)Anthracene	0.005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0891	6.5-7	Indeno(1,2,3-cd)Pyrene	0.022	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6HSO001								
	MS0923	6.5-7	Benzo(a)Anthracene	0.002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0923	6.5-7	Dibenzo(a,h)Anthracene	0.0004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6KSO00A								
	MS0975	6-16.5	Benzo(a)Anthracene	0.006	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0975	6-16.5	Benzo(a)Pyrene	0.009	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0975	6-16.5	Benzo(b)Fluoranthene	0.009	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0975	6-16.5	Benzo(k)Fluoranthene	0.003	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0975	6-16.5	Indeno(1,2,3-cd)Pyrene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6QSO0A								
	JD1061	0.5-11	Benzo(a)Pyrene	0.007	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1061	0.5-11	Benzo(b)Fluoranthene	0.01	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6QSO0C								
	JD1064	0-10.5	Benzo(a)Anthracene	3.01	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1064	0-10.5	Benzo(a)Pyrene	3.13	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1064	0-10.5	Benzo(b)Fluoranthene	2.34	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1064	0-10.5	Benzo(k)Fluoranthene	1.33	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1064	0-10.5	Dibenzo(a,h)Anthracene	0.597	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1064	0-10.5	Indeno(1,2,3-cd)Pyrene	3.03	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 14 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA6RSO0R2								
	JD1068	5-5.5	Benzo(b)Fluoranthene	0.003	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1068	5-5.5	Indeno(1,2,3-cd)Pyrene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6SSO001								
	JD1011	7.4-7.9	Benzo(a)Anthracene	0.38	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1011	7.4-7.9	Benzo(a)Pyrene	0.381	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1011	7.4-7.9	Benzo(b)Fluoranthene	0.311	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1011	7.4-7.9	Benzo(k)Fluoranthene	0.167	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1011	7.4-7.9	Dibenzo(a,h)Anthracene	0.095	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1011	7.4-7.9	Indeno(1,2,3-cd)Pyrene	0.534	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6USO003								
	JD1034	0-4.5	Benzo(a)Anthracene	0.362	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1034	0-4.5	Benzo(a)Pyrene	0.438	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1034	0-4.5	Benzo(b)Fluoranthene	0.364	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1034	0-4.5	Benzo(k)Fluoranthene	0.195	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1034	0-4.5	Dibenzo(a,h)Anthracene	0.136	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1034	0-4.5	Indeno(1,2,3-cd)Pyrene	0.633	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA6USO004								
	JD1035	0-4.5	Benzo(a)Anthracene	0.406	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1035	0-4.5	Benzo(a)Pyrene	0.416	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1035	0-4.5	Benzo(b)Fluoranthene	0.341	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1035	0-4.5	Benzo(k)Fluoranthene	0.176	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1035	0-4.5	Dibenzo(a,h)Anthracene	0.108	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1035	0-4.5	Indeno(1,2,3-cd)Pyrene	0.547	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6VSO001								
	JD1056	6-6.5	Benzo(k)Fluoranthene	0.016	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1056	6-6.5	Dibenzo(a,h)Anthracene	0.01	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6VSO002								
	JD1057	6-6.5	Benzo(a)Anthracene	0.164	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1057	6-6.5	Benzo(a)Pyrene	0.148	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1057	6-6.5	Benzo(b)Fluoranthene	0.125	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 15 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA6VSO002								
	JD1057	6-6.5	Benzo(k)Fluoranthene	0.067	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1057	6-6.5	Dibenzo(a,h)Anthracene	0.033	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1057	6-6.5	Indeno(1,2,3-cd)Pyrene	0.168	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA6VSO003								
	JD1058	0-6	Benzo(a)Anthracene	0.751	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1058	0-6	Benzo(a)Pyrene	0.758	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1058	0-6	Benzo(b)Fluoranthene	0.591	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1058	0-6	Benzo(k)Fluoranthene	0.328	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1058	0-6	Dibenzo(a,h)Anthracene	0.2	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1058	0-6	Indeno(1,2,3-cd)Pyrene	0.816	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA6WSO003								
	JD1054/JD1055FD	0-6.8	Benzo(a)Anthracene	1.6*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1054/JD1055FD	0-6.8	Benzo(a)Pyrene	1.56*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1054/JD1055FD	0-6.8	Benzo(b)Fluoranthene	1.26*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1054/JD1055FD	0-6.8	Benzo(k)Fluoranthene	0.6815*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1054/JD1055FD	0-6.8	Dibenzo(a,h)Anthracene	0.3365*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1054/JD1055FD	0-6.8	Indeno(1,2,3-cd)Pyrene	1.69*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA6WSO004								
	JD1059	0-6.8	Benzo(a)Anthracene	0.155	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1059	0-6.8	Benzo(a)Pyrene	0.183	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1059	0-6.8	Benzo(b)Fluoranthene	0.144	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1059	0-6.8	Benzo(k)Fluoranthene	0.078	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1059	0-6.8	Dibenzo(a,h)Anthracene	0.038	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1059	0-6.8	Indeno(1,2,3-cd)Pyrene	0.192	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7ASO001								
	JD1100	5-5.5	Benzo(b)Fluoranthene	0.002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7BSO001								
	JD1095	5-5.5	Benzo(b)Fluoranthene	0.002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7BSO003								
	JD1097	0-7.5	Benzo(a)Anthracene	2.16	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 16 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA7BSO003								
	JD1097	0-7.5	Benzo(a)Pyrene	2.69	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1097	0-7.5	Benzo(b)Fluoranthene	2.27	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1097	0-7.5	Benzo(k)Fluoranthene	1.24	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1097	0-7.5	Dibenzo(a,h)Anthracene	0.689	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1097	0-7.5	Indeno(1,2,3-cd)Pyrene	2.83	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA7CSO001								
	JD1092	5-5.5	Benzo(b)Fluoranthene	0.002	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1092	5-5.5	Indeno(1,2,3-cd)Pyrene	0.001	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7CSO002								
	JD1093	5-5.5	Benzo(b)Fluoranthene	0.001	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1093	5-5.5	Benzo(k)Fluoranthene	0.0002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1093	5-5.5	Indeno(1,2,3-cd)Pyrene	0.0008	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7CSO003								
	JD1094	0-5	Benzo(a)Anthracene	0.541	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1094	0-5	Benzo(a)Pyrene	0.712	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1094	0-5	Benzo(b)Fluoranthene	0.624	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1094	0-5	Benzo(k)Fluoranthene	0.332	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1094	0-5	Indeno(1,2,3-cd)Pyrene	0.804	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA7CSO004								
	JD1103	0-5	Benzo(a)Anthracene	0.503	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1103	0-5	Benzo(a)Pyrene	0.568	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	JD1103	0-5	Benzo(b)Fluoranthene	0.443	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1103	0-5	Benzo(k)Fluoranthene	0.238	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	JD1103	0-5	Indeno(1,2,3-cd)Pyrene	0.481	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7FSO001								
	MS0948	6.5-7	Benzo(a)Anthracene	0.028	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0948	6.5-7	Benzo(a)Pyrene	0.026	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0948	6.5-7	Benzo(b)Fluoranthene	0.021	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0948	6.5-7	Benzo(k)Fluoranthene	0.012	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0948	6.5-7	Dibenzo(a,h)Anthracene	0.005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 17 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA7FSO001								
	MS0948	6.5-7	Indeno(1,2,3-cd)Pyrene	0.029	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7FSO003								
	MS0950/MS0951FD	0-6.8	Benzo(a)Anthracene	0.148*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0950/MS0951FD	0-6.8	Benzo(a)Pyrene	0.151*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0950/MS0951FD	0-6.8	Benzo(b)Fluoranthene	0.127*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0950/MS0951FD	0-6.8	Benzo(k)Fluoranthene	0.0725*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0950/MS0951FD	0-6.8	Dibenzo(a,h)Anthracene	0.0355*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0950/MS0951FD	0-6.8	Indeno(1,2,3-cd)Pyrene	0.182*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7GSO003								
	MS0954/MS0955FD	0-6.5	Benzo(a)Anthracene	0.012*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0954/MS0955FD	0-6.5	Benzo(a)Pyrene	0.0145*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0954/MS0955FD	0-6.5	Benzo(b)Fluoranthene	0.0125*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0954/MS0955FD	0-6.5	Benzo(k)Fluoranthene	0.007*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0954/MS0955FD	0-6.5	Dibenzo(a,h)Anthracene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0954/MS0955FD	0-6.5	Indeno(1,2,3-cd)Pyrene	0.0225*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7ISO001								
	MS0958	3.3-3.8	Benzo(a)Anthracene	0.004	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0958	3.3-3.8	Benzo(a)Pyrene	0.004	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0958	3.3-3.8	Benzo(b)Fluoranthene	0.005	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0958	3.3-3.8	Benzo(k)Fluoranthene	0.002	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0958	3.3-3.8	Dibenzo(a,h)Anthracene	0.002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0958	3.3-3.8	Indeno(1,2,3-cd)Pyrene	0.007	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7ISO002								
	MS0959	3.3-3.8	Benzo(a)Anthracene	0.162	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0959	3.3-3.8	Benzo(a)Pyrene	0.18	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0959	3.3-3.8	Benzo(b)Fluoranthene	0.171	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0959	3.3-3.8	Benzo(k)Fluoranthene	0.087	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0959	3.3-3.8	Dibenzo(a,h)Anthracene	0.033	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0959	3.3-3.8	Indeno(1,2,3-cd)Pyrene	0.257	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 18 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CSA7ISO003								
	MS0960	0-3.3	Benzo(a)Anthracene	0.241	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0960	0-3.3	Benzo(a)Pyrene	0.264	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0960	0-3.3	Benzo(b)Fluoranthene	0.233	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0960	0-3.3	Benzo(k)Fluoranthene	0.122	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0960	0-3.3	Dibenzo(a,h)Anthracene	0.049	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0960	0-3.3	Indeno(1,2,3-cd)Pyrene	0.33	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7ISO003								
	MS0966	0-6	Benzo(a)Anthracene	0.614	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0966	0-6	Benzo(a)Pyrene	0.715	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0966	0-6	Benzo(b)Fluoranthene	0.571	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0966	0-6	Benzo(k)Fluoranthene	0.32	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0966	0-6	Dibenzo(a,h)Anthracene	0.12	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0966	0-6	Indeno(1,2,3-cd)Pyrene	0.827	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CSA7LSO001								
	MS0968	6.2-6.7	Dibenzo(a,h)Anthracene	0.002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7LSO003								
	MS0970	0-6.2	Benzo(a)Anthracene	0.25	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0970	0-6.2	Benzo(a)Pyrene	0.221	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0970	0-6.2	Benzo(b)Fluoranthene	0.201	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0970	0-6.2	Benzo(k)Fluoranthene	0.115	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0970	0-6.2	Dibenzo(a,h)Anthracene	0.078	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0970	0-6.2	Indeno(1,2,3-cd)Pyrene	0.317	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
CSA7LSO005								
	MS0973	0-6.2	Benzo(a)Anthracene	0.32	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0973	0-6.2	Benzo(a)Pyrene	0.362	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0973	0-6.2	Benzo(b)Fluoranthene	0.314	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0973	0-6.2	Benzo(k)Fluoranthene	0.182	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0973	0-6.2	Dibenzo(a,h)Anthracene	0.114	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0973	0-6.2	Indeno(1,2,3-cd)Pyrene	0.507	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-6. Results of CSA3 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 19 of 19

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
SlabE01								
	MS0934	0-0	Benzo(a)Anthracene	0.043	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0934	0-0	Benzo(a)Pyrene	0.047	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0934	0-0	Benzo(b)Fluoranthene	0.039	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0934	0-0	Benzo(k)Fluoranthene	0.022	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0934	0-0	Dibenzo(a,h)Anthracene	0.026	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0934	0-0	Indeno(1,2,3-cd)Pyrene	0.069	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
SlabNW01								
	MS0933	0-0	Benzo(a)Anthracene	1.07	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0933	0-0	Benzo(a)Pyrene	0.873	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0933	0-0	Benzo(b)Fluoranthene	0.762	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0933	0-0	Benzo(k)Fluoranthene	0.462	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0933	0-0	Dibenzo(a,h)Anthracene	0.274	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0933	0-0	Indeno(1,2,3-cd)Pyrene	1.25	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
Slabtop01								
	MS0931	0-4	Benzo(a)Anthracene	0.029	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0931	0-4	Benzo(a)Pyrene	0.026	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0931	0-4	Benzo(b)Fluoranthene	0.027	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0931	0-4	Benzo(k)Fluoranthene	0.017	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0931	0-4	Dibenzo(a,h)Anthracene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0931	0-4	Indeno(1,2,3-cd)Pyrene	0.032	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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PRG = Preliminary Remediation Goal
mg/kg = Milligrams per kilogram
* = Value is averaged with duplicate
Source: QST

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Table 3-7. CSA3 Carcinogenic and Noncarcinogenic Risk, Surplus OU Soil Removal, Fort Sheridan, Illinois

Constituent	UCL or Maximum Concentration Detected (mg/kg)	Carcinogenic Screening Value (mg/kg)	Individual Carcinogenic Risk	Noncarcinogenic Screening Value (mg/kg)	Individual Noncarcinogenic Risk
Arsenic	5.85*	0.38000	2e-05	22	3e-01
Benzo(a)anthracene	3.01	0.60866	5e-06	NA	NA
Benzo(a)pyrene	3.13	0.06086	5e-05	NA	NA
Benzo(b)fluoranthene	2.34	0.60866	4e-06	NA	NA
Chromium	21.6*	20.00000	1e-06	NA	NA
Dibenzo(a,h)anthracene	0.165*	0.06086	3e-06	NA	NA
Indeno(1,2,3-cd)pyrene	3.03	0.60866	5e-06	NA	NA
Cumulative Risk			8e-05		3e-01

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UCL = Upper Confidence Limit of the mean concentration

mg/kg = milligrams per kilogram

NA = Not applicable

* = Value listed is the UCL for the constituent

Source: QST

**Table 3-8. Results of B77 Soil Removal Sample Inorganics Background Screening, Surplus OU,
Fort Sheridan, Illinois -Page 1 of 2**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
<u>B7710ASO001</u>						
	MS0840	4-4.5	Arsenic	7.74	7.85	Pass
	MS0840	4-4.5	Chromium	13.7	20	Pass
	MS0840	4-4.5	Lead	11.8	14.1	Pass
<u>B7710ASO002</u>						
	MS0841	2-4.7	Arsenic	6.75	7.85	Pass
	MS0841	2-4.7	Chromium	13.8	20	Pass
	MS0841	2-4.7	Lead	9.92	14.1	Pass
<u>B7710ASO003</u>						
	MS0842	0-3.7	Arsenic	6.89	7.85	Pass
	MS0842	0-3.7	Chromium	15.3	20	Pass
	MS0842	0-3.7	Lead	20.1	14.1	Fail
<u>B7710ASO004</u>						
	MS0843/MS0844FD	0-4.1	Arsenic	7.94*	7.85	Fail
	MS0843/MS0844FD	0-4.1	Beryllium	0.589*	1.11	Pass
	MS0843/MS0844FD	0-4.1	Chromium	14.55*	20	Pass
	MS0843/MS0844FD	0-4.1	Lead	101.7*	14.1	Fail
<u>B7710ASO005</u>						
	MS0845	0-3.5	Arsenic	8.56	7.85	Fail
	MS0845	0-3.5	Beryllium	0.603	1.11	Pass
	MS0845	0-3.5	Chromium	16.5	20	Pass
	MS0845	0-3.5	Lead	46.2	14.1	Fail
<u>B7710ASO006</u>						
	MS0846	0-4.2	Arsenic	8.33	7.85	Fail
	MS0846	0-4.2	Beryllium	0.454	1.11	Pass
	MS0846	0-4.2	Chromium	12.1	20	Pass
	MS0846	0-4.2	Lead	11.6	14.1	Pass
<u>B779ASO001</u>						
	MS0829	4-4.5	Arsenic	5.8	7.85	Pass
	MS0829	4-4.5	Beryllium	0.538	1.11	Pass
	MS0829	4-4.5	Chromium	17.6	20	Pass
	MS0829	4-4.5	Lead	9.69	14.1	Pass
<u>B779ASO002</u>						
	MS0830	8-4.3	Arsenic	6.63	7.85	Pass
	MS0830	8-4.3	Beryllium	0.442	1.11	Pass
	MS0830	8-4.3	Chromium	14.5	20	Pass
	MS0830	8-4.3	Lead	10.1	14.1	Pass
<u>B779ASO003</u>						
	MS0831	0-3.5	Arsenic	8.48	7.85	Fail
	MS0831	0-3.5	Beryllium	0.584	1.11	Pass
	MS0831	0-3.5	Chromium	18	20	Pass
	MS0831	0-3.5	Lead	58.2	14.1	Fail
<u>B779ASO004</u>						
	MS0832/MS0833FD	0-2.9	Arsenic	9.33*	7.85	Fail
	MS0832/MS0833FD	0-2.9	Beryllium	0.81*	1.11	Pass
	MS0832/MS0833FD	0-2.9	Chromium	22.8*	20	Fail
	MS0832/MS0833FD	0-2.9	Lead	32.15*	14.1	Fail
<u>B779ASO0R5</u>						
	MS0898	0-4	Arsenic	6.92	7.85	Pass
	MS0898	0-4	Chromium	14.8	20	Pass
	MS0898	0-4	Lead	15	14.1	Fail
<u>B779BSO001</u>						
	MS0835	2-4.7	Arsenic	6.86	7.85	Pass
	MS0835	2-4.7	Chromium	12.9	20	Pass
	MS0835	2-4.7	Lead	9.7	14.1	Pass

**Table 3-8. Results of B77 Soil Removal Sample Inorganics Background Screening, Surplus OU,
Fort Sheridan, Illinois -Page 2 of 2**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
B779BSO002						
	MS0836	.6-5.1	Arsenic	6.71	7.85	Pass
	MS0836	.6-5.1	Beryllium	0.418	1.11	Pass
	MS0836	.6-5.1	Chromium	13	20	Pass
	MS0836	.6-5.1	Lead	10.8	14.1	Pass
B779BSO003						
	MS0837	0-4.8	Arsenic	8.52	7.85	Fail
	MS0837	0-4.8	Beryllium	0.719	1.11	Pass
	MS0837	0-4.8	Chromium	19.9	20	Pass
	MS0837	0-4.8	Lead	14.9	14.1	Fail
B779BSO004						
	MS0838	0-3.6	Arsenic	8.59	7.85	Fail
	MS0838	0-3.6	Beryllium	0.751	1.11	Pass
	MS0838	0-3.6	Chromium	19.9	20	Pass
	MS0838	0-3.6	Lead	22.2	14.1	Fail
B779BSO0R5						
	MS0899/MS0900FD	0-4.2	Arsenic	8.99*	7.85	Fail
	MS0899/MS0900FD	0-4.2	Chromium	17.7*	20	Pass
	MS0899/MS0900FD	0-4.2	Lead	27.45*	14.1	Fail
B77SB03						
	NP2SS*36	2	Aluminum	14500	12415	Fail
	NP2SS*36	2	Arsenic	4.41	7.85	Pass
	NP2SS*36	2	Barium	71.3	69.5	Fail
	NP2SS*36	2	Beryllium	0.695	1.11	Pass
	NP2SS*36	2	Chromium	23.7	20	Fail
	NP2SS*36	2	Cobalt	11.3	16.3	Pass
	NP2SS*36	2	Copper	23.8	24.5	Pass
	NP2SS*36	2	Lead	22	14.1	Fail
	NP2SS*36	2	Manganese	410	896	Pass
	NP2SS*36	2	Nickel	33.3	37.3	Pass
	NP2SS*36	2	Thallium	0.391	1.04	Pass
	NP2SS*36	2	Vanadium	30	25.9	Fail
	NP2SS*36	2	Zinc	88	172	Pass
B77SB04						
	NP2SS*38	2	Aluminum	10900	12415	Pass
	NP2SS*38	2	Arsenic	7.5	7.85	Pass
	NP2SS*38	2	Barium	75.1	69.5	Fail
	NP2SS*38	2	Beryllium	0.314	1.11	Pass
	NP2SS*38	2	Cadmium	0.702	2.5	Pass
	NP2SS*38	2	Chromium	20.7	20	Fail
	NP2SS*38	2	Cobalt	8.5	16.3	Pass
	NP2SS*38	2	Copper	31.7	24.5	Fail
	NP2SS*38	2	Lead	81.6	14.1	Fail
	NP2SS*38	2	Manganese	471	896	Pass
	NP2SS*38	2	Nickel	26.1	37.3	Pass
	NP2SS*38	2	Thallium	0.323	1.04	Pass
	NP2SS*38	2	Vanadium	24.3	25.9	Pass
	NP2SS*38	2	Zinc	139	172	Pass

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UTL = Upper Tolerance Level

DL = Detection Limit

mg/kg = Milligrams per kilogram

* = Value is averaged with duplicate

Source: QST

Table 3-9. Results of B77 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 1 of 3

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B7710ASO003	MS0842	0-3.7	Lead	20.1	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B7710ASO004	MS0843/MS0844FD	0-4.1	Arsenic	7.94*	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Benzo(a)Anthracene	0.657*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Benzo(a)Pyrene	0.4101*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Benzo(b)Fluoranthene	0.4116*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Benzo(k)Fluoranthene	0.2443*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Dibenzo(a,h)Anthracene	0.0446*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Indeno(1,2,3-cd)Pyrene	0.4854*	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0843/MS0844FD	0-4.1	Lead	101.7*	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B7710ASO005	MS0845	0-3.5	Arsenic	8.56	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0845	0-3.5	Benzo(a)Anthracene	0.027	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0845	0-3.5	Benzo(a)Pyrene	0.03	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0845	0-3.5	Benzo(b)Fluoranthene	0.032	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0845	0-3.5	Benzo(k)Fluoranthene	0.013	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0845	0-3.5	Indeno(1,2,3-cd)Pyrene	0.034	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0845	0-3.5	Lead	46.2	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B7710ASO006	MS0846	0-4.2	Arsenic	8.33	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
B779ASO003	MS0831	0-3.5	Arsenic	8.48	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0831	0-3.5	Benzo(a)Anthracene	1.04	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0831	0-3.5	Dibenzo(a,h)Anthracene	0.213	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0831	0-3.5	Lead	58.2	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B779ASO004	MS0832/MS0833FD	0-2.9	Arsenic	9.33*	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0832/MS0833FD	0-2.9	Benzo(a)Anthracene	0.579*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0832/MS0833FD	0-2.9	Benzo(a)Pyrene	0.427*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0832/MS0833FD	0-2.9	Benzo(b)Fluoranthene	0.3661*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-9. Results of B77 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 2 of 3

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B779ASO004								
	MS0832/MS0833FD	0-2.9	Benzo(k)Fluoranthene	0.2318*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0832/MS0833FD	0-2.9	Chromium	22.8*	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0832/MS0833FD	0-2.9	Dibenzo(a,h)Anthracene	0.0498*	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0832/MS0833FD	0-2.9	Indeno(1,2,3-cd)Pyrene	0.45*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0832/MS0833FD	0-2.9	Lead	32.15*	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B779ASO0R5								
	MS0898	0-4	Benzo(a)Anthracene	0.342	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0898	0-4	Benzo(a)Pyrene	0.418	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0898	0-4	Benzo(b)Fluoranthene	0.318	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0898	0-4	Benzo(k)Fluoranthene	0.179	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0898	0-4	Dibenzo(a,h)Anthracene	0.074	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0898	0-4	Indeno(1,2,3-cd)Pyrene	0.438	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0898	0-4	Lead	15	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B779BSO003								
	MS0837	0-4.8	Arsenic	8.52	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Benzo(a)Anthracene	0.023	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Benzo(a)Pyrene	0.024	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Benzo(b)Fluoranthene	0.024	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Benzo(k)Fluoranthene	0.014	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Dibenzo(a,h)Anthracene	0.003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Indeno(1,2,3-cd)Pyrene	0.031	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0837	0-4.8	Lead	14.9	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B779BSO004								
	MS0838	0-3.6	Arsenic	8.59	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0838	0-3.6	Benzo(a)Anthracene	0.664	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0838	0-3.6	Benzo(a)Pyrene	0.684	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0838	0-3.6	Benzo(b)Fluoranthene	0.661	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0838	0-3.6	Benzo(k)Fluoranthene	0.342	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0838	0-3.6	Dibenzo(a,h)Anthracene	0.069	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0838	0-3.6	Indeno(1,2,3-cd)Pyrene	0.8	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-9. Results of B77 Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois - Page 3 of 3

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
B779BSO004								
	MS0838	0-3.6	Lead	22.2	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B779BSO0R5								
	MS0899/MS0900FD	0-4.2	Arsenic	8.99*	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Benzo(a)Anthracene	0.389*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Benzo(a)Pyrene	0.452*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Benzo(b)Fluoranthene	0.339*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Benzo(k)Fluoranthene	0.187*	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Dibenzo(a,h)Anthracene	0.0755*	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Indeno(1,2,3-cd)Pyrene	0.499*	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0899/MS0900FD	0-4.2	Lead	27.45*	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
B77SB03								
	NP2SS*36	2	Aluminum	14500	7.7e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SS*36	2	Barium	71.3	2.1e+03	TACO	Pass	TACO Table D
	NP2SS*36	2	Chromium	23.7	2.0e+01	TACO	Fail	TACO 20 * TCLP
	NP2SS*36	2	Fluoranthene	0.19	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	NP2SS*36	2	Lead	22	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	NP2SS*36	2	Vanadium	30	5.4e+02	PRG	Pass	EPA Region IX PRGs, 8/1/96
B77SB04								
	NP2SS*38	2	Acetone	0.023	1.6e+01	TACO	Pass	TACO Table A - Class II
	NP2SS*38	2	Barium	75.1	2.1e+03	TACO	Pass	TACO Table D
	NP2SS*38	2	Chromium	20.7	2.0e+01	TACO	Fail	TACO 20 * TCLP
	NP2SS*38	2	Copper	31.7	3.3e+05	TACO	Pass	TACO Table D
	NP2SS*38	2	Lead	81.6	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)

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PRG = Preliminary Remediation Goal
mg/kg = Milligrams per kilogram
* = Value is averaged with duplicate
Source: QST

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Table 3-10. B77 Carcinogenic and Noncarcinogenic Risk, Surplus OU Soil Removal, Fort Sheridan, Illinois

Constituent	UCL or Maximum Concentration Detected (mg/kg)	Carcinogenic Screening Value (mg/kg)	Individual Carcinogenic Risk	Noncarcinogenic Screening Value (mg/kg)	Individual Noncarcinogenic Risk
Arsenic	7.87*	0.38000	2e-05	22	4e-01
Benzo(a)anthracene	1.04	0.60866	2e-06	NA	NA
Benzo(a)pyrene	0.684	0.06086	1e-05	NA	NA
Benzo(b)fluoranthene	0.661	0.60866	1e-06	NA	NA
Chromium	18.7*	20.00000	9e-07	NA	NA
Dibenzo(a,h)anthracene	0.213	0.06086	4e-06	NA	NA
Indeno(1,2,3-cd)pyrene	0.8	0.60866	1e-06	NA	NA
Cumulative Risk			4e-05		4e-01

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UCL = Upper Confidence Limit of the mean concentration

mg/kg = milligrams per kilogram

NA = Not applicable

* = Value listed is the UCL for the constituent

Source: QST

**Table 3-11. Results of Charpman Road Soil Removal Sample Inorganics Background Screening,
Surplus OU, Fort Sheridan, Illinois - Page 1 of 3**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CHRD SB01						
	MS0503	0-0.5	Arsenic	13.4	8.96	Fail
	MS0503	0-0.5	Barium	95.1	1231	Pass
	MS0503	0-0.5	Beryllium	1.34	1.65	Pass
	MS0503	0-0.5	Cadmium	0.672	1	Pass
	MS0503	0-0.5	Chromium	26.4	22.5	Fail
	MS0503	0-0.5	Lead	17.3	56.7	Pass
	MS0504	1-1.5	Arsenic	12.4	7.85	Fail
	MS0504	1-1.5	Beryllium	0.668	1.11	Pass
	MS0504	1-1.5	Chromium	18.2	20	Pass
	MS0504	1-1.5	Lead	14.4	14.1	Fail
	MS0504	1-1.5	Mercury	0.033	DL	Fail
	MS0505	4.5-5	Beryllium	0.374	1.11	Pass
	MS0505	4.5-5	Chromium	12.5	20	Pass
	MS0505	4.5-5	Mercury	0.031	DL	Fail
CHRD SB02						
	MS0506	0-0.5	Beryllium	0.591	1.65	Pass
	MS0506	0-0.5	Chromium	9.78	22.5	Pass
	MS0506	0-0.5	Lead	97.8	56.7	Fail
	MS0507	1-3	Beryllium	0.387	1.11	Pass
	MS0507	1-3	Chromium	12.9	20	Pass
	MS0507	1-3	Lead	9.28	14.1	Pass
CHRD SB03						
	MS0531	0-0.5	Arsenic	14	8.96	Fail
	MS0531	0-0.5	Beryllium	0.927	1.65	Pass
	MS0531	0-0.5	Chromium	26.6	22.5	Fail
	MS0531	0-0.5	Lead	14.7	56.7	Pass
	MS0532	1-3	Beryllium	0.41	1.11	Pass
	MS0532	1-3	Chromium	10.5	20	Pass
CHRD SB04						
	MS0508	0-0.5	Arsenic	14.3	8.96	Fail
	MS0508	0-0.5	Barium	97.9	1231	Pass
	MS0508	0-0.5	Beryllium	0.863	1.65	Pass
	MS0508	0-0.5	Chromium	24.2	22.5	Fail
	MS0508	0-0.5	Lead	14.9	56.7	Pass
	MS0509	1-3	Beryllium	0.55	1.11	Pass
	MS0509	1-3	Chromium	16.2	20	Pass
	MS0509	1-3	Lead	8.57	14.1	Pass
CHRD SB06						
	MS0510	0-0.5	Beryllium	0.796	1.65	Pass
	MS0510	0-0.5	Chromium	12.8	22.5	Pass
	MS0511	1-3	Beryllium	0.449	1.11	Pass
	MS0511	1-3	Chromium	12.9	20	Pass
	MS0511	1-3	Lead	8.68	14.1	Pass
CHRD SB07						
	MS0512	0-0.5	Arsenic	11.3	8.96	Fail
	MS0512	0-0.5	Beryllium	1.04	1.65	Pass
	MS0512	0-0.5	Chromium	22.7	22.5	Fail
	MS0512	0-0.5	Lead	17.2	56.7	Pass
	MS0513/MS0514FD	1-3	Arsenic	11.23*	7.85	Fail
	MS0513/MS0514FD	1-3	Beryllium	0.6975*	1.11	Pass
	MS0513/MS0514FD	1-3	Chromium	19.5*	20	Pass
	MS0513/MS0514FD	1-3	Lead	11.1*	14.1	Pass

**Table 3-11. Results of Charpman Road Soil Removal Sample Inorganics Background Screening,
Surplus OU, Fort Sheridan, Illinois - Page 2 of 3**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CHRDSB09						
	MS0515	0-0.5	Barium	102	1231	Pass
	MS0515	0-0.5	Beryllium	1.8	1.65	Fail
	MS0515	0-0.5	Chromium	18	22.5	Pass
	MS0515	0-0.5	Lead	13.5	56.7	Pass
	MS0516	1-3	Arsenic	8.83	7.85	Fail
	MS0516	1-3	Beryllium	0.465	1.11	Pass
	MS0516	1-3	Chromium	15	20	Pass
	MS0516	1-3	Lead	12.3	14.1	Pass
CHRDSB10						
	MS0524	0-0.5	Barium	93.2	1231	Pass
	MS0524	0-0.5	Beryllium	0.773	1.65	Pass
	MS0524	0-0.5	Cadmium	0.849	1	Pass
	MS0524	0-0.5	Chromium	8.9	22.5	Pass
	MS0524	0-0.5	Lead	101	56.7	Fail
	MS0524	0-0.5	Mercury	0.035	1.5	Pass
	MS0525	1-3	Arsenic	16.5	7.85	Fail
	MS0525	1-3	Beryllium	0.843	1.11	Pass
	MS0525	1-3	Cadmium	1.28	2.5	Pass
	MS0525	1-3	Chromium	8.03	20	Pass
	MS0525	1-3	Lead	91.3	14.1	Fail
	MS0525	1-3	Mercury	0.04	DL	Fail
	MS0525	1-3	Selenium	12.4	DL	Fail
CHRDSB11						
	MS0519	0-0.5	Arsenic	10.9	8.96	Fail
	MS0519	0-0.5	Beryllium	0.585	1.65	Pass
	MS0519	0-0.5	Chromium	13.4	22.5	Pass
	MS0519	0-0.5	Lead	17.3	56.7	Pass
	MS0520	1-3	Arsenic	12.3	7.85	Fail
	MS0520	1-3	Barium	93.1	69.5	Fail
	MS0520	1-3	Beryllium	0.768	1.11	Pass
	MS0520	1-3	Chromium	21.7	20	Fail
	MS0520	1-3	Lead	13.7	14.1	Pass
	MS0520	1-3	Silver	0.752	DL	Fail
CHRDSB12						
	MS0522	0-0.5	Arsenic	13.1	8.96	Fail
	MS0522	0-0.5	Beryllium	0.997	1.65	Pass
	MS0522	0-0.5	Chromium	22.3	22.5	Pass
	MS0522	0-0.5	Lead	32.5	56.7	Pass
	MS0523	1-3	Arsenic	19	7.85	Fail
	MS0523	1-3	Beryllium	0.816	1.11	Pass
	MS0523	1-3	Chromium	22.7	20	Fail
	MS0523	1-3	Lead	24.5	14.1	Fail
CHRDSB13						
	MS0517	0-0.5	Beryllium	0.926	1.65	Pass
	MS0517	0-0.5	Cadmium	0.666	1	Pass
	MS0517	0-0.5	Chromium	14.9	22.5	Pass
	MS0517	0-0.5	Lead	22.4	56.7	Pass
	MS0518	1-3	Arsenic	11.3	7.85	Fail
	MS0518	1-3	Beryllium	0.579	1.11	Pass
	MS0518	1-3	Chromium	16.9	20	Pass
	MS0518	1-3	Lead	10.9	14.1	Pass
CHRDSB15						
	MS0526	0-0.5	Beryllium	0.474	1.65	Pass

**Table 3-11. Results of Charpman Road Soil Removal Sample Inorganics Background Screening,
Surplus OU, Fort Sheridan, Illinois - Page 3 of 3**

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Background Value (mg/kg)	Pass Or Fail
CHRD SB15						
	MS0526	0-0.5	Chromium	12.7	22.5	Pass
	MS0526	0-0.5	Lead	9.03	56.7	Pass
	MS0527	1-3	Arsenic	12.5	7.85	Fail
	MS0527	1-3	Barium	89.2	69.5	Fail
	MS0527	1-3	Beryllium	1.03	1.11	Pass
	MS0527	1-3	Chromium	24.8	20	Fail
	MS0527	1-3	Lead	18	14.1	Fail
	MS0527	1-3	Selenium	13.9	DL	Fail
CHRD SB17						
	MS0528	0-0.5	Beryllium	0.638	1.65	Pass
	MS0528	0-0.5	Chromium	13.1	22.5	Pass
	MS0528	0-0.5	Lead	12.3	56.7	Pass
	MS0529/MS0530FD	1-3	Arsenic	13.7*	7.85	Fail
	MS0529/MS0530FD	1-3	Beryllium	0.7615*	1.11	Pass
	MS0529/MS0530FD	1-3	Chromium	21.75*	20	Fail
	MS0529/MS0530FD	1-3	Lead	19.5*	14.1	Fail
CHRD SB25						
	MS0552	0-0.5	Arsenic	13.6	8.96	Fail
	MS0552	0-0.5	Barium	90.2	1231	Pass
	MS0552	0-0.5	Beryllium	0.931	1.65	Pass
	MS0552	0-0.5	Chromium	23.2	22.5	Fail
	MS0552	0-0.5	Lead	33.4	56.7	Pass
	MS0553	1-3	Arsenic	19.7	7.85	Fail
	MS0553	1-3	Beryllium	0.522	1.11	Pass
	MS0553	1-3	Chromium	14.7	20	Pass
	MS0553	1-3	Lead	11.9	14.1	Pass
CHRD SB26						
	MS0554	0-0.5	Beryllium	0.506	1.65	Pass
	MS0554	0-0.5	Chromium	9.91	22.5	Pass
	MS0554	0-0.5	Lead	171	56.7	Fail
	MS0555	1-3	Arsenic	10.5	7.85	Fail
	MS0555	1-3	Beryllium	0.677	1.11	Pass
	MS0555	1-3	Chromium	20.1	20	Fail
	MS0555	1-3	Lead	14.8	14.1	Fail
CHRD SB28						
	MS0559	0-0.5	Arsenic	17.4	8.96	Fail
	MS0559	0-0.5	Beryllium	1.12	1.65	Pass
	MS0559	0-0.5	Chromium	25.5	22.5	Fail
	MS0559	0-0.5	Lead	21.5	56.7	Pass
	MS0559	0-0.5	Selenium	13.7	1.5	Fail
	MS0560	1-3	Beryllium	0.61	1.11	Pass
	MS0560	1-3	Chromium	16.5	20	Pass
	MS0560	1-3	Lead	12.1	14.1	Pass

n:\data\4902087\db\srplsou2\SurplusOU2.pblTable 3-11 (RemovUTL.dbf)

UTL = Upper Tolerance Level

DL = Detection Limit

mg/kg = Milligrams per kilogram

* = Value is averaged with duplicate

Source: QST

Table 3-12. Results of Chapman Road Soil Removal Confirmation Screening Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
Page 1 of 7

Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRD5B01								
	MS0503	0-0.5	Anthracene	0.009	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0503	0-0.5	Arsenic	13.4	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0503	0-0.5	Chromium	26.4	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0503	0-0.5	Phenanthrene	0.028	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0504	1-1.5	Anthracene	0.062	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0504	1-1.5	Arsenic	12.4	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0504	1-1.5	Dibenzo(a,h)Anthracene	0.0003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0504	1-1.5	Lead	14.4	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0504	1-1.5	Mercury	0.033	4.0e+01	TACO	Pass	TACO Table D
	MS0504	1-1.5	Phenanthrene	0.062	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0505	4.5-5	Mercury	0.031	4.0e+01	TACO	Pass	TACO Table D
	MS0505	4.5-5	Pyrene	0.006	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRD5B02								
	MS0506	0-0.5	1-Methylnaphthalene	12.7	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	2-Methylnaphthalene	7.52	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0506	0-0.5	Acenaphthene	10.5	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0506	0-0.5	Acenaphthylene	0.469	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0506	0-0.5	Anthracene	72.1	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Benzo(a)Anthracene	8.97	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Benzo(a)Pyrene	9.05	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Benzo(b)Fluoranthene	8.27	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Benzo(g,h,i)Perylene	10.3	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0506	0-0.5	Benzo(k)Fluoranthene	4.28	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Chrysene	9.17	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Dibenzo(a,h)Anthracene	1.5	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Fluoranthene	20.7	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Fluorene	0.295	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Indeno(1,2,3-cd)Pyrene	10.5	6.1e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0506	0-0.5	Lead	97.8	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0506	0-0.5	Naphthalene	0.832	4.2e+02	TACO	Pass	TACO Table A - Class II

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Table 3-12. Results of Chapman Road Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
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Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSEB02								
	MS0506	0-0.5	Phenanthrene	4.41	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0506	0-0.5	Pyrene	99.8	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	1-Methylnaphthalene	1.44	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	2-Methylnaphthalene	0.768	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0507	1-3	Acenaphthene	0.758	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0507	1-3	Anthracene	4.99	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Benzo(a)Anthracene	0.392	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Benzo(a)Pyrene	0.431	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Benzo(b)Fluoranthene	0.362	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Benzo(g,h,i)Perylene	0.476	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0507	1-3	Benzo(k)Fluoranthene	0.182	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Chrysene	0.307	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Dibenzo(a,h)Anthracene	0.164	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Fluoranthene	0.862	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Fluorene	0.024	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Indeno(1,2,3-cd)Pyrene	0.485	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0507	1-3	Naphthalene	0.114	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0507	1-3	Phenanthrene	0.299	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0507	1-3	Pyrene	3.66	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRDSEB03								
	MS0531	0-0.5	Arsenic	14	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0531	0-0.5	Chromium	26.6	2.0e+01	TACO	Fail	TACO 20 * TCLP
CHRDSEB04								
	MS0508	0-0.5	Anthracene	0.008	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0508	0-0.5	Arsenic	14.3	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0508	0-0.5	Chromium	24.2	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0508	0-0.5	Chrysene	0.001	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0508	0-0.5	Phenanthrene	0.006	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0508	0-0.5	Pyrene	0.02	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0509	1-3	Anthracene	0.003	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-12. Results of Chapman Road Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
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Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSE04								
	MS0509	1-3	Dibenzo(a,h)Anthracene	0.0002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0509	1-3	Phenanthrene	0.006	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0509	1-3	Pyrene	0.017	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRDSE06								
	MS0510	0-0.5	1-Methylnaphthalene	0.451	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	2-Methylnaphthalene	0.766	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0510	0-0.5	Acenaphthene	0.229	2.9e+03	TACO	Pass	TACO Table A - Class II
	MS0510	0-0.5	Anthracene	0.308	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Benzo(a)Anthracene	0.116	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Benzo(a)Pyrene	0.1	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Benzo(b)Fluoranthene	0.088	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Benzo(g,h,i)Perylene	0.058	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0510	0-0.5	Benzo(k)Fluoranthene	0.05	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Chrysene	0.052	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Dibenzo(a,h)Anthracene	0.011	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Fluoranthene	0.348	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Fluorene	0.244	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Indeno(1,2,3-cd)Pyrene	0.118	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0510	0-0.5	Naphthalene	0.724	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0510	0-0.5	Phenanthrene	0.679	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0510	0-0.5	Pyrene	1.34	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0511	1-3	Anthracene	0.032	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0511	1-3	Phenanthrene	0.008	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
CHRDSE07								
	MS0512	0-0.5	1-Methylnaphthalene	0.179	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0512	0-0.5	Anthracene	0.006	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0512	0-0.5	Arsenic	11.3	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0512	0-0.5	Chromium	22.7	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0512	0-0.5	Chrysene	0.001	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0512	0-0.5	Dibenzo(a,h)Anthracene	0.0003	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96

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Table 3-12. Results of Chapman Road Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
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Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSE07								
	MS0512	0-0.5	Naphthalene	0.194	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0512	0-0.5	Phenanthrene	0.035	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0512	0-0.5	Pyrene	0.005	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0513/MS0514FD	1-3	Anthracene	0.03*	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0513/MS0514FD	1-3	Arsenic	11.23*	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CHRDSE09								
	MS0515	0-0.5	Anthracene	0.041	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0515	0-0.5	Beryllium	1.8	1.0e-01	SSL	Fail	ingestion (SSLs, 5/96, App. A)
	MS0515	0-0.5	Chrysene	0.008	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0515	0-0.5	Dibenzo(a,h)Anthracene	0.002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0515	0-0.5	Naphthalene	0.094	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0515	0-0.5	Phenanthrene	0.035	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0515	0-0.5	Pyrene	0.109	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0516	1-3	Anthracene	0.023	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0516	1-3	Arsenic	8.83	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0516	1-3	Dibenzo(a,h)Anthracene	0.0002	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0516	1-3	Pyrene	0.012	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRDSE10								
	MS0524	0-0.5	2-Methylnaphthalene	0.366	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0524	0-0.5	Acenaphthylene	0.135	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0524	0-0.5	Benzo(a)Anthracene	0.057	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Benzo(a)Pyrene	0.06	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Benzo(b)Fluoranthene	0.046	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Benzo(g,h,i)Perylene	0.116	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0524	0-0.5	Benzo(k)Fluoranthene	0.02	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Chrysene	0.065	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Fluoranthene	0.114	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Indeno(1,2,3-cd)Pyrene	0.032	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0524	0-0.5	Lead	101	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0524	0-0.5	Naphthalene	0.236	4.2e+02	TACO	Pass	TACO Table A - Class II

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Table 3-12. Results of Chapman Road Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
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Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSEB10								
	MS0524	0-0.5	Pyrene	0.081	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	2-Methylnaphthalene	0.125	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0525	1-3	Arsenic	16.5	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Benzo(a)Anthracene	0.083	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Benzo(a)Pyrene	0.082	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Benzo(b)Fluoranthene	0.059	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Benzo(g,h,i)Perylene	0.1	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0525	1-3	Benzo(k)Fluoranthene	0.03	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Dibenzo(a,h)Anthracene	0.012	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Fluoranthene	0.171	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Indeno(1,2,3-cd)Pyrene	0.054	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Lead	91.3	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0525	1-3	Mercury	0.04	4.0e+01	TACO	Pass	TACO Table D
	MS0525	1-3	Naphthalene	0.121	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0525	1-3	Phenanthrene	0.048	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0525	1-3	Pyrene	0.259	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0525	1-3	Selenium	12.4	2.4e+00	TACO	Fail	TACO Table D
CHRDSEB11								
	MS0519	0-0.5	Anthracene	0.012	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0519	0-0.5	Arsenic	10.9	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0520	1-3	Arsenic	12.3	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0520	1-3	Barium	93.1	2.1e+03	TACO	Pass	TACO Table D
	MS0520	1-3	Chromium	21.7	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0520	1-3	Silver	0.752	3.8e+02	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRDSEB12								
	MS0522	0-0.5	Arsenic	13.1	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0522	0-0.5	Chrysene	0.013	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0523	1-3	Arsenic	19	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0523	1-3	Chromium	22.7	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0523	1-3	Lead	24.5	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)

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Table 3-12. Results of Chapman Road Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
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Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRD5B13								
	MS0518	1-3	Anthracene	0.016	1.9e+04	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0518	1-3	Arsenic	11.3	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0518	1-3	Dibenzo(a,h)Anthracene	0.0005	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0518	1-3	Phenanthrene	0.004	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0518	1-3	Pyrene	0.025	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
CHRD5B15								
	MS0526	0-0.5	2-Methylnaphthalene	0.184	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0526	0-0.5	Benzo(a)Anthracene	0.03	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Benzo(a)Pyrene	0.046	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Benzo(b)Fluoranthene	0.042	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Benzo(g,h,i)Perylene	0.06	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0526	0-0.5	Benzo(k)Fluoranthene	0.021	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Chrysene	0.061	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Fluoranthene	0.095	2.6e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Fluorene	0.031	2.5e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Indeno(1,2,3-cd)Pyrene	0.026	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0526	0-0.5	Naphthalene	0.214	4.2e+02	TACO	Pass	TACO Table A - Class II
	MS0526	0-0.5	Phenanthrene	0.053	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0526	0-0.5	Pyrene	0.058	2.0e+03	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0527	1-3	Arsenic	12.5	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0527	1-3	Barium	89.2	2.1e+03	TACO	Pass	TACO Table D
	MS0527	1-3	Chromium	24.8	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0527	1-3	Lead	18	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0527	1-3	Selenium	13.9	2.4e+00	TACO	Fail	TACO Table D
CHRD5B17								
	MS0529/MS0530FD	1-3	Arsenic	13.7*	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0529/MS0530FD	1-3	Chromium	21.75**	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0529/MS0530FD	1-3	Lead	19.5*	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
CHRD5B25								
	MS0552	0-0.5	Arsenic	13.6	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96

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Table 3-12. Results of Chapman Road Soil Removal Confirmation Samples Risk-Based Screening, Surplus OU, Fort Sheridan, Illinois
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Site ID	Lab ID	Depth	Constituent	Concentration (mg/kg)	Screening Value (mg/kg)	Source of Screening Value	Pass Or Fail	Comments
CHRDSEB25								
	MS0552	0-0.5	Chromium	23.2	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0553	1-3	Arsenic	19.7	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
CHRDSEB26								
	MS0554	0-0.5	2-Methylnaphthalene	0.1	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0554	0-0.5	Benzo(a)Anthracene	0.075	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Benzo(a)Pyrene	0.082	6.1e-02	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Benzo(b)Fluoranthene	0.067	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Benzo(g,h,i)Perylene	0.075	2.0e+03	PRG	Pass	PRGs for most toxic non-naphthalene PAH (pyrene)
	MS0554	0-0.5	Benzo(k)Fluoranthene	0.036	6.1e+00	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Chrysene	0.059	6.1e+01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Dibenzo(a,h)Anthracene	0.006	6.1e-02	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Indeno(1,2,3-cd)Pyrene	0.065	6.1e-01	PRG	Pass	EPA Region IX PRGs, 8/1/96
	MS0554	0-0.5	Lead	171	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
	MS0555	1-3	Arsenic	10.5	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0555	1-3	Chromium	20.1	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0555	1-3	Lead	14.8	4.0e+02	SSL	Pass	Ingestion (SSLs 5/96)
CHRDSEB28								
	MS0559	0-0.5	Arsenic	17.4	3.8e-01	PRG	Fail	EPA Region IX PRGs, 8/1/96
	MS0559	0-0.5	Chromium	25.5	2.0e+01	TACO	Fail	TACO 20 * TCLP
	MS0559	0-0.5	Selenium	13.7	2.4e+00	TACO	Fail	TACO Table D

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PRG = Preliminary Remediation Goal
mg/kg = Milligrams per kilogram
* = Value is averaged with duplicate
Source: QST

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Table 3-13. Chapman Road Carcinogenic and Noncarcinogenic Risk, Surplus OU Soil Removal, Fort Sheridan, Illinois

Constituent	UCL or Maximum Concentration Detected (mg/kg)	Carcinogenic Screening Value (mg/kg)	Individual Carcinogenic Risk	Noncarcinogenic Screening Value (mg/kg)	Individual Noncarcinogenic Risk
Arsenic	11.1*	0.38000	3e-05	22	5e-01
Benzo(a)anthracene	0.485*	0.60866	8e-07	NA	NA
Benzo(a)pyrene	0.724*	0.06086	1e-05	NA	NA
Benzo(b)fluoranthene	0.412*	0.60866	7e-07	NA	NA
Beryllium	0.846*	0.10000	9e-06	380	2e-03
Chromium	19*	20.00000	1e-06	NA	NA
Dibenzo(a,h)anthracene	0.0285*	0.06086	5e-07	NA	NA
Indeno(1,2,3-cd)pyrene	0.197*	0.60866	3e-07	NA	NA
Selenium	6.28*	2.40000	3e-06	NA	NA
Cumulative Risk			6e-05		5e-01

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UCL = Upper Confidence Limit of the mean concentration

mg/kg = milligrams per kilogram

NA = Not applicable

* = Value listed is the UCL for the constituent

Source: QST

4.0 Conclusions and Recommendations

As a result of the recommendation in the Technical Memorandum for conducting removal actions, a Removal Action was performed at study areas B42, B43, B77, and CSA3. Upon completion of the Removal Action, risk-based screening was performed using the Removal Action data collected. The results of the screening have shown that the RS_{α} for each study area is within USEPA's target risk range of $1E-06$ to $1E-04$. Even so, the use of generic, conservative values to calculate relative risks likely results in an overestimation of the potential risks. The PAHs that contribute to the RS_{α} at the study areas are ubiquitous at Fort Sheridan, and in the Chicago metropolitan area, due to industrial emissions, car exhaust, and other PAH sources. The inorganics contributing to the RS_{α} at the study areas are at concentrations similar to background. Therefore, the results of the risk-based screening indicate that post-Removal Action constituent concentrations at B42, B43, B77, and CSA3 do not pose an unacceptable risk to human health under an unrestricted residential scenario. In addition, post-Removal Action constituent concentrations are one order of magnitude lower than the initial concentrations on which the determination of no adverse ecological effects in the Miscellaneous Study Areas DER was based.

Based on the above evaluation of potential risks, the Army, in coordination with USEPA and the Illinois Environmental Protection Agency (IEPA), has determined that, although low levels of PAHs and inorganics will remain in the soil at B42, B43, CSA3, and B77, they are present at levels that do not pose unacceptable human health or environmental risks. Therefore, the Army has determined that no further response action is necessary at B42, B43, CSA3, and B77.

5.0 References

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